**Anish Dhakal**

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**Professional Summary:**

* Full Stack Software Developer with over ten Years of Experience
* Experienced Full-Stack Developer with over 10 years of expertise in building and maintaining scalable web applications using Java, Spring Boot, and Node.js.
* Implemented Agile frameworks to streamline development processes and enhance team collaboration.
* Applied story-pointing techniques to accurately estimate tasks and prioritize project backlog.
* Experience in Agile and SAFe environments, contributing to PI Planning, and managing full-stack development using Java, Spring Boot, and Angular.
* Full-stack developer with over 10 years of experience, specializing in front-end development with Angular 14+ (including versions 16 and 17), delivering scalable, performance-optimized web applications.
* Expertise in distributed, secure and scalable application development using J2EE Technologies like Servlets, JDBC, JSP, Struts, Spring IOC, Spring MVC, Amazon Web Services (AWS), Web Services development (SOAP and RESTful).
* Created internal diagnostic tools using Golang and AngularJS in order to assist with customer issues.
* Experience of server-side rendering React framework such as Next.js.
* Hands-on experience with data encryption and security measures within SQL databases.
* Built Restful web API with Spring, Spring Boot, and testing APIs using Postman.
* Working Experience on various AWSservices like EC2, S3, ELB, EBS, RDS, ECS, ECR etc.
* Developed scalable applications with Java 8 and Java 11, focusing on performance and maintainability.
* Leveraged Java functional programming paradigms for concise and efficient code.
* Utilized Java Collections API for effective data management and manipulation.
* Using Kotlin for implementing new modules in the application.
* Experienced on Managing the local deployments in Kubernetes and creating local cluster and deploying application containers.
* Experience in working with messaging systems like Kafka, Kafka event Sourcing.
* Experience in IT Industry with proficiency in Design & Development of Python, Django, flask projects.
* Experience Developing application using Groovy, Grails, GSP, GORM and Grails Plugins and Grails Rest Services.
* Proficient in backend development using Java and Node.js, with a focus on creating efficient, secure, and reliable RESTful APIs and microservices.
* Proficient in Java programming, supporting troubleshooting and system functionality understanding.
* Proficient in designing and implementing CI/CD pipelines using GitLab CI/CD, with a strong focus on automation, containerization, and deployment optimization.
* Proficient in UI design, developed Front End using JSP, HTML5, CSS3, JavaScript, Ajax, jQuery, AngularJS, Angular 2.0, NodeJs,ReactJs and have knowledge on BackboneJs.
* Created RESTful APIs with Spring Boot, ensuring high performance and scalability.
* Employed Spring Cloud to build microservices architectures for distributed systems.
* Enhanced application security with Spring Security and OAuth2 implementations.
* Built responsive single-page applications using Angular 10 and Angular 12.
* In depth knowledge in HTML5, CSS3(Less, Sass) frameworks, JavaScript, TypeScript, Angular, React, jQuery, Ember.js, Backbone.js, Ext.js for designing interactive UI pages.
* Extensive experience with database querying and data analysis to identify issues and support trading systems.
* Managed complex forms and validations using Angular Reactive Forms.
* Handled asynchronous data streams with RxJS for real-time application updates.
* Expertise in supporting exchange connectivity and system integration for trading platforms.
* Customized Angular Material components to align with project design requirements.
* Developed reusable custom directives and pipes to improve code efficiency and reusability.
* Developed cross-browser compatible web interfaces using HTML5 and CSS3.
* Applied modern CSS techniques, including Flexbox and Grid, for responsive layouts.
* Leveraged CSS preprocessors like SASS for scalable and maintainable styling.
* Proven ability to work with capital markets and trading platforms, enhancing operational efficiency.
* Conducted unit testing with Jasmine and Agular’s Testbed for comprehensive frontend validation.
* Used JUnit and Mockito for backend unit testing, ensuring reliable code functionality.
* Performed integration testing with Cucumber for seamless API interactions and Protractor for end-to-end testing.
* Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8
* Worked with MVVM pattern and developed view - models using typescript.
* Have knowledge on Kotlin Android Extensions framework.
* Strong programming skills in designing and implementation of multi-tier applications using web-based technologies like Spring Boot.
* Strong knowledge of managing SQL Server, PostgreSQL, and MySQL databases.
* Recognized as a proactive team player fostering a collaborative work environment.
* Received accolades for significant contributions to project milestones and team achievements.
* Strong background in Agile development processes and continuous integration.
* Provided mentorship and technical guidance to junior developers, encouraging professional growth.
* Deployed and managed scalable applications on AWS EC2 and ECS for efficient container management.
* Configured AWS Route 53 for reliable DNS management and API Gateway for secure API handling.

**SKILLS**

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| **Category** | **Skills** |
| **Programming Languages** | Java 8, Java 11, Java 15, TypeScript, Python |
| **Frameworks & Libraries** | Spring Boot, Spring Cloud, Angular 12, Angular Material, Hibernate |
| **Web Technologies** | HTML5, CSS3, SASS, Angular Reactive Forms, RxJS |
| **API Development** | RESTful API design, Spring MVC, security with OAuth2 |
| **Microservices** | Docker, Kubernetes, Spring Cloud |
| **Database Management** | PostgreSQL, MongoDB, Oracle, Redis |
| **Cloud Technologies** | AWS (EC2, ECS, Lambda, CloudFormation, API Gateway, Route 53) |
| **Testing Tools** | JUnit, Mockito, Karma, Jasmine, Protractor, Cucumber |
| **Version Control** | Git |
| **CI/CD Tools** | Jenkins, GitLab CI, Docker |
| **IDEs & Development Tools** | IntelliJ IDEA, Eclipse, Visual Studio Code |

**EXPERIENCE**

**Office Depot | Boca Raton, Florida (Remote) February 2022 – Present**

**Senior Software Engineer**

**Project Description:**

Office Depot, through its vast store network, online presence, and business services arm, caters to small, medium, and enterprise businesses by offering essential office supplies, technology solutions, and expert guidance to empower their success.

* Participated in planning and executing Agile methodologies to enhance development workflows and team collaboration.
* Fostered a culture of continuous improvement by actively engaging in sprint planning, daily stand-ups, and sprint reviews to optimize development processes.
* Advocated for and implemented Agile best practices, which significantly improved project delivery times and team agility.
* Utilized story pointing techniques to accurately estimate project timelines and resource requirements, ensuring efficient sprint planning.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Improved the accuracy of story estimations by introducing more refined story pointing sessions that involved all team members for better alignment on task complexities.
* Developed components such as inputs, dropdown buttons etc. and pages in Next.js for server-side rendering.
* Streamlined the story pointing process to enhance predictability and transparency in project scheduling.
* Facilitated retrospective meetings that focused on identifying successful strategies and areas for improvement, promoting a proactive approach to problem-solving.
* Led discussions that encouraged feedback and collaborative problem-solving, resulting in actionable insights that directly influenced subsequent project phases.
* Developed Single Page Application (SPA) with React 16 as front-end, Spring Boot as back-end and MySQL for database support.
* Analyzed and synthesized team feedback during retrospectives to devise effective strategies for enhancing team performance and satisfaction.
* Developed and maintained complex form-based interactions using Angular's Reactive Forms, enhancing dynamic data collection and validation.
* Managed and optimized asynchronous data streams in Angular applications using RxJS, improving state management and user experience.
* Implemented user interface components with Angular Material, ensuring consistency and responsiveness across all platforms.
* Designed and implemented RESTful services using Spring Boot, facilitating effective communication between the client and server-side applications.
* Developed robust API solutions that supported HTTP methods such as POST, PUT, and GET, enabling seamless data transactions and integrations.
* Ensured APIs were scalable and secure, leveraging Spring Boot's capabilities to handle large volumes of data with comprehensive security measures.
* Architected and deployed microservices using Spring Boot and Docker, enhancing application scalability and deployment efficiency.
* Leveraged cloud-native technologies to manage microservices deployments, which improved system resilience and load balancing.
* Created AWS Launch configurations based on customized AMI and use this launch configuration to configure auto scaling groups and Implemented AWS solutions using EC2, S3, RDS, DynamoDB, Route53, EBS, Elastic Load Balancer, Auto scaling groups.
* Collaborated with cross-functional teams to design microservices that effectively decomposed complex applications into manageable services.
* Developed responsive and dynamic web applications using Angular 14 and Angular 16 improving user experience and performance by adopting the latest framework features.
* Employed Java's Collections Framework to manage data effectively, optimizing sorting and manipulation of information for business processes.
* Enhanced application performance and responsiveness by implementing efficient data structures and algorithms using Core Java.
* Crafted responsive and aesthetically pleasing web interfaces using HTML5 and CSS3, ensuring cross-platform compatibility and compliance with web standards.
* Utilized advanced CSS techniques such as Flexbox and Grid to create flexible and dynamic layouts that adapted to various device screens.
* Conducted thorough unit tests using Karma and Jasmine, ensuring each component functioned correctly under various scenarios.
* Implemented comprehensive unit testing for backend services using JUnit and Mockito to validate business logic and data handling.
* Implemented standalone components introduced in Angular 14, simplifying module dependencies and improving application modularity and performance.
* Orchestrated end-to-end integration tests using Cucumber and Protractor, verifying the seamless interaction between various application components.
* Managed code versions and team contributions using Git, enhancing source control and supporting continuous integration practices.
* Used **Link**tag and **Router**in Next.js for routing between pages.
* Deployed complex applications on AWS, utilizing EC2 and ECS to manage server configurations and container orchestration effectively.
* Configured and managed AWS services such as EC2, ECS, and API Gateway to enhance application deployment and runtime efficiency.
* Utilized AWS Route 53 for effective DNS management and load balancing, ensuring high availability and fault tolerance of applications.

**Environment**: Java, JDK 1.8, Angular 14, Angular CLI, TypeScript, RxJS, Angular Material, HTML5, CSS3, Spring Boot, Spring Cloud, REST APIs, Microservices Architecture, Docker, Spring Data JPA, Java Collections, Karma, JUnit, Mockito, Cucumber, Protractor, Git, AWS EC2, AWS ECS, AWS Route 53, AWS API Gateway, Agile, T-shirt Sizing Estimation, Domain-Driven Design.

**Principal Financial Group, Raleigh, NC April 2020 - January 2022**

**Senior Software Engineer**

**Project Description:**

Principal Financial Group serves businesses and individuals worldwide with a comprehensive suite of financial products, including retirement plans, insurance, and investment solutions.

* Engaged in iterative development processes, enhancing agility and efficiency through proactive adaptations and strategic planning.
* Fostered collaboration during story estimation sessions using effective techniques to ensure comprehensive understanding and commitment.
* Initiated and drove retrospective discussions to identify opportunities for process optimization, encouraging a proactive approach to challenges.
* Developed Agile processes using Groovy, JUnit to use continuous integration tools.
* Engineered responsive web applications utilizing Angular 12, focusing on creating intuitive and dynamic user experiences.
* Designed and developed the angular application using Angular CLI, TypeScript, HTML5, CSS3, jQuery, Bootstrap.
* Involved in developing UI using Spring MVC framework, JSP, JSTL, HTML5, CSS, JavaScript, jQuery, AJAX and AngularJS.
* Design, Develop and Deploy Highly available, highly scalable web applications, Using Various AWS services such as AWS ECR, Terraform, AWS Aurora backed RDS instance, S3
* Designed and implemented complex reactive forms to ensure robust user interaction and data integrity across multiple platforms.
* Developed the backend server with Spring Boot, involving different layers of the application including entity/model, DAO/repository, Controller, Service, Business, and Persistence.
* Provided hands-on support, logging and resolving tickets using Jira, and escalating to L3 teams as required.
* Advanced the customization of Angular Material components to meet unique design requirements and maintain brand consistency.
* Architected and executed scalable RESTful services using Spring Boot, enhancing system integration and data flow between services.
* Developed user interface by using React JS, Redux for SPA development and implemented client-side Interface using React JS, next.js with next’s CSS.
* Used Java 8 features in developing the code like Lambda expressions, creating resource classes, fetching documents from database.
* Installed Kafka on the cluster and configure producer and consumer coding part in java to establish a connection from source to HDFS with popular hash tags.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash
* Worked on NodeJS Rest API calls and integrated with UI and on Web Services (SOAP&REST).
* Developed and optimized CI/CD pipelines using GitLab CI/CD to automate the build, test, and deployment processes, resulting in a 30% reduction in deployment times.
* Used Java to analyze system functionalities, supporting Equity Derivative Trading systems.
* Led the development of APIs with comprehensive methods like POST, PUT, and GET, ensuring they support business functionalities effectively.
* Crafted and maintained microservices architecture, promoting a decentralized approach to app development and improving scalability.
* Applied modern Java features to develop and optimize backend processes, enhancing application functionality and performance.
* Utilized the Java Collections Framework to manage data efficiently, ensuring high performance and responsiveness of applications.
* Integrated advanced concurrency models to handle complex data processing tasks, reducing latency and improving system throughput.
* Used Go Programming Language (GoLang) and Scala in the development of the application.
* The mobile application was developed with JAVA mixed with Kotlin using Android Studio and Web API with .NET Core 2 using Visual Studio.
* Crafted sophisticated user interfaces using HTML5 and CSS3, focusing on semantic markup and responsive design.
* Implemented advanced CSS techniques to ensure visual consistency and functionality across major browsers and devices.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Used NodeJS Frameworks in the development of the web applications.
* Structured comprehensive unit tests for Angular components using Karma to validate functionality and detect potential issues early.
* Developed robust Java backend tests using JUnit and Mockito, focusing on business logic and integration points to ensure reliability.
* Leveraged cutting edge technology like Kotlin, Android JetPack, Retrofit, Navigation, View Model, Room, Actions.
* Worked on Amazon AWS cloud services like Writing Lambda functions for producing data from different sources, S3 as storing the data, SNS, SQS, RDS, IAM for security, Cloud Front, Cloud Watch for logging the error.
* Used Spring Boot at back-end which helps to develop application with ease
* Orchestrated integration tests using Protractor and Cucumber to simulate user interactions and verify end-to-end system functionality.
* Managed source code revisions using Git, enhancing team collaboration through effective branching and merging strategies.
* Built real time pipeline for streaming data using Kafka and SparkStreaming .
* Method references are used provided in Java 8 to make use of methods already named
* Configured automated testing frameworks within GitLab CI/CD pipelines, including unit, integration, and end-to-end testing, to ensure code quality and reliability.
* Streamlined deployment processes using AWS services, ensuring efficient release cycles and high availability of applications.
* Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash.
* Developed Golang software to handle concurrent data collection and processing with goroutines and channels for a WiFi device.
* Designed and developed a full-stack funding website based on Node.js, ReactJS, Next.JS, Wordpress, PHP and Slim Framework.
* Implemented classes, interfaces and methods, constructors and objects definitions using TypeScript.
* Administered AWS EC2 instances and utilized ECS for effective container management, optimizing resource allocation and application scaling.
* Designed and developed User Interface with JSP, HTML, CSS, XHTML, JSTL, JavaScript, Custom Tags, Struts Tiles and Struts Tag library.
* Configured AWS Route 53 and API Gateway to manage traffic and secure API endpoints, enhancing overall system security and reliability.

**Environment:** Java, JDK 1.8, Angular, Angular CLI, TypeScript, RxJS, Angular Material, HTML5, CSS3, Spring Boot, Spring Cloud, REST APIs, Spring Boot, NodeJS, JavaScript, Kafka, Microservices Architecture, Docker, Spring Data JPA, AWS, Java Collections, Karma, JUnit, Mockito, CI/CD, Cucumber, Protractor, Git, AWS EC2, AWS ECS, AWS Route 53, AWS API Gateway, Agile, T-shirt Sizing Estimation, Domain-Driven Design.

**Bank of America, New York, NYC** February 2019 – March 2020

**Full Stack Developer**

**Project Description**

Bank of America is a leading multinational financial institution offering a wide range of banking, investment, and financial services to individuals, businesses, and governments worldwide.

* Participated in refining agile methodologies to enhance workflow efficiency across teams.
* Developed strategies to improve team agility and responsiveness to changing project needs.
* Build highly available content distribution sites by using CI/CD tools like Chef, Ansible, Docker, Maven, Jenkins, Jira, Kubernetes etc.
* Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes
* Extensively used Java 8 features like lambda expressions, streams, and multithreading for optimization.
* Experience in JMS and Apache Kafka for message-oriented middleware.
* Spearheaded integration of agile practices, boosting productivity.
* Developed scalable backend services using Node.js and Spring Boot.
* Scheduled Python scripts with AWS Lambda and CloudWatch events.
* Integrated RESTful APIs using Spring Boot for seamless data flow.
* Deployed Node.js apps on AWS/Azure using CI/CD pipelines.
* Managed AWS infrastructure (EC2, ECS, Route 53, API Gateway).
* Developed complex interactive apps using Angular and Angular Material.
* Implemented reactive forms in Angular for data-driven interactions.
* Integrated Node.js with MongoDB and SQL databases for data storage.
* Developed Kotlin apps and backend services.
* Architected RESTful APIs with Spring Boot for critical business functions.
* Participated in microservices architecture design for scalability.
* Enhanced app performance using Java Collections and advanced features.
* Implemented security scanning in CI/CD pipelines using GitLab.
* Used Kafka for publish/subscribe messaging patterns.
* Wrote Java unit tests with JUnit/Mockito and Angular tests with Karma.
* Led PI Planning sessions for Agile Release Trains.
* Managed AWS EC2 instances and ECS containers.
* Conducted Protractor tests for Angular workflows.
* Optimized CI/CD pipelines using GitLab, reducing deployment times.
* Configured AWS Route 53 and API Gateway for scalable web services.

**Environment:** Java, JDK 1.8, Angular, TypeScript, RxJS, Angular Material, HTML5, CSS3, Spring Boot, Spring Cloud, REST APIs, Kafka Microservices Architecture, Node.js, JavaScript, Docker, groovy, Spring Data JPA, Java Collections, Karma, JUnit, Mockito, Cucumber, Node.js, Protractor, Git, AWS EC2, AWS ECS, AWS Route 53, AWS API Gateway, Agile methodologies, Domain-Driven Design.

**JPMorgan Chase & Co, Wilmington, DE May 2016- January 2019**

**Java Developer**

**Project Description**

JPMorgan Chase & Co., a financial powerhouse, offers a vast array of services including investment banking, commercial banking, asset management, wealth management, and consumer banking through its Chase brand. Applied Agile methodologies to enhance project workflows and ensure timely delivery.

* Participated in streamlining Agile processes to foster a culture of continuous integration and delivery.
* Enhanced team agility by integrating feedback loops into all phases of the software development lifecycle.
* Advanced the implementation of Agile ceremonies, significantly improving cross-functional team collaboration and efficiency.
* Engineered robust and scalable single-page applications using Angular, emphasizing reusable components and efficient state management.
* Used Jasper reports and Jfree charts to generate various statistical reports and Trained staff on effective use of Jenkins, Docker, GitLab and Kubernetes.
* Moving existing monolithic architecture to microservices and migrating them to AWS cloud
* Pioneered the use of Angular Material in enterprise applications to ensure consistency and reusability across user interfaces.
* Optimized SQL queries to improve application performance by reducing execution time and resource usage.
* Ensured application security by implementing authentication (JWT, OAuth2) and following secure coding practices in Node.js.
* Used GoLang 1.10 and Developed Microservices using Channels, goroutines, functional interfaces, and various frameworks.
* Innovated with custom directives and pipes in Angular, enhancing application functionality and user experience.
* Designed and implemented a suite of RESTful services using Spring Boot, facilitating efficient communication between microservices.
* Led the development of secure and scalable REST APIs, supporting essential financial transactions and data interactions.
* Refined API architectures, incorporating advanced versioning, security practices, and documentation standards.
* Spearheaded the adoption of microservices architecture, improving scalability and resilience of backend services.
* Employed Java's concurrency and collections frameworks to optimize the performance of system-intensive operations.
* Developed highly interactive web interfaces utilizing HTML5 and CSS3, focusing on responsive design principles.
* Implemented advanced CSS techniques to enhance visual design and optimize page load times.
* Orchestrated rigorous unit testing frameworks using Karma for Angular applications, ensuring high reliability and performance.
* Developed extensive unit tests in Java using JUnit and Mockito to guarantee robust backend services.
* Managed comprehensive integration testing using Cucumber to ensure seamless interaction between microservices.
* Directed the implementation of Protractor for automated testing of Angular applications, ensuring all user requirements were met.
* Enhanced source code management practices using Git, streamlining collaborative efforts and reducing integration times.
* Developed the Docker based micro services deployment modules with the Jenkins, Kubernetes, and Ansible based pipelines/frameworks.
* Administered AWS services including EC2, ECS, and API Gateway to support enterprise-level application deployments.
* Configured AWS Route 53 and Load Balancers to optimize application delivery and service availability.

**Environment:** Java, JDK 1.8, Angular, TypeScript, RxJS, Angular Material, HTML5, CSS3, Spring Boot, Spring Cloud, REST APIs, Microservices Architecture, Docker, Spring Data JPA, Java Collections, Karma, JUnit, Mockito, Cucumber, Protractor, Git, AWS EC2, AWS ECS, AWS Route 53, AWS API Gateway, Agile, Scrum, Domain-Driven Design.

**Diageo, Norwalk, CT June 2014 – April 2016**

**Jr** **Java Developer**

**Project Description**

Diageo offers tech careers in areas like data science and software development, with opportunities for global impact and innovation, even for early career professionals. Applied Agile methodologies to enhance project workflows and ensure timely delivery.

* Engaged in refining Agile methodologies to optimize software delivery processes within cross-functional teams.
* Enhanced team capabilities in story pointing and backlog management, improving sprint planning accuracy and execution.
* Hosted and refined numerous Agile ceremonies, boosting team efficiency and project transparency.
* Directed the design and implementation of complex Angular applications, focusing on scalable, maintainable architectures.
* Integrated Angular Reactive Forms to enhance dynamic user interactions and streamline complex data entry processes.
* Developed and refined custom directives and pipes in Angular, tailoring UI components to specific business requirements.
* Designed and developed robust RESTful APIs using Spring Boot, enabling secure, efficient interactions across distributed systems.
* Streamlined API lifecycle management from planning through deployment, enhancing service reliability and scalability.
* Developed GoLang software to handle concurrent data collection and processing with goroutines and channels.
* Leveraged Java's advanced features and Spring's microservices architecture to build responsive, service-oriented backend systems.
* Orchestrated the transition to microservices, significantly enhancing system modularity and deployment flexibility.
* Utilized HTML and CSS to craft responsive designs, focusing on mobile-first principles and cross-browser compatibility.
* Implemented modern CSS frameworks to ensure visual consistency and enhance user engagement across platforms.
* Conducted detailed unit and integration testing within Angular using Karma and Protractor, ensuring front-end reliability.
* Developed and maintained Java unit tests using JUnit and Mockito, contributing to a robust backend testing environment.
* Applied best practices in Git branching and merging strategies to maintain a stable development environment.
* Building a Command line tool to interact with RESTful API using in GoLang.
* Fostered team adherence to code review protocols and continuous integration practices, enhancing code quality and collaboration.
* Managed and optimized AWS infrastructure, utilizing EC2 and ECS for efficient application deployment and scaling.
* Configured Route 53 and API Gateway to streamline request routing and improve API response times.

**Environment:** Java, JDK 1.8, Angular, TypeScript, RxJS, Angular Material, HTML5, CSS3, Spring Boot, Spring Cloud, REST APIs, Microservices Architecture, Docker, Spring Data JPA, Java Collections, Karma, JUnit, Mockito, Cucumber, Protractor, Git, AWS EC2, AWS ECS, AWS Route 53, AWS API Gateway, Agile methodologies, Scrum.

**Education: Bachelor in Computer Science Wilmington, Delaware.**