**Mayank Jain (Manu J.)**

Full Stack Software Engineer | Ex Amazon, Adobe, ESRI, NAV Fund Administration Group, AllOnBlock, Cognizant, Amdocs Seattle, WA 98101 USA

# **SUMMARY**

Highly accomplished Software Engineer with 7+ years of experience specializing in cloud-native infrastructure, networking, and distributed systems. Proven track record of leading high-performance teams to deliver scalable and reliable software solutions for B2B and B2C markets, with a focus on e-commerce and FinTech. Expert in C/C++, Python, Java, JavaScript, cloud platforms (AWS, GCP, Azure), microservices architectures, and REST APIs. Passionate about solving complex technical challenges and driving innovation through technology.

# **WORK EXPERIENCE**

**Software Engineer II | Cogent Infotech | Seattle, USA**

**Dec 2023 – May 2024**

* Developed and maintained UI-Automation scripts using Selenium and UiPath, significantly improving test coverage and ensuring reliable automation of critical user interfaces.
* Architected and implemented a scalable networking component for the Online Banking Application, ensuring secure communication and data integrity for B2B/B2C clients.
* Automated cloud resource management using AWS services such as EC2, Lambda, S3, and CloudFormation, optimizing cost efficiency and scalability for the banking application.
* Integrated Python scripts for automating various data processing tasks, improving operational efficiency by 25%, and reducing manual intervention.

**Software Dev. Engineer | Amazon.com Inc (AWS)| Seattle, WA, USA**

**June 2022 – July 2023**

* Led the design and implementation of a scalable network monitoring solution using AWS Kinesis Data Analytics, reducing system downtime by 20% and improving overall service availability.
* Developed and integrated REST APIs using Python and Java, facilitating seamless communication between microservices and improving system responsiveness by 30%.
* Enhanced CI/CD pipeline efficiency by integrating automation scripts and improving Jenkins configurations, resulting in 40% reduction in deployment errors.
* Streamlined the process of root-causing availability issues, reducing operator effort by 20% and boosting overall team efficiency

**Software Dev. Engineer Intern | ESRI| Redlands, CA, USA**

**Jan 2022 – April 2022**

* Spearheaded the containerization of the Jenkins CD/CI pipeline, reducing network overhead and improving deployment speed by 50% in a multi- tenant environment
* Developed 15 Terraform scripts using Python to establish infrastructure as code, significantly streamlining and standardizing the deployment process, resulting in improved reliability and reproducibility.
* Engineered and deployed 8 AWS Lambda functions to facilitate the migration of APIs from a monolithic architecture to a scalable microservices- based architecture, enhancing system flexibility and scalability.
* Implemented optimizations resulting in a 40% improvement in API response times, enhancing overall system performance and user experience.

**Cloud Computing Intern | Adobe Inc. | San Jose, CA, USA**

**May 2021 - Aug 2021**

* Designed and developed a scalable, cloud-native storage service using Java, ensuring efficient data transfer and seamless network integration across distributed systems.
* Reduced execution time by 30% with an efficient algorithm optimizing system performance.
* Streamlined user experience with subsystem REST service calls supporting concurrent export requests using Spring Boot with GraphQL.
* Developed an interactive UI with VueJs, TypeScript, HTML, and CSS for creating and downloading storage reports.
* Integrated front-end and back-end through APIs for smooth data flow and system interoperability.

**Software Developer | Technical Consultant, NAV Fund Administration Group, JSAS| India**

**Jul 2019 - Jun 2020**

* Developed and maintained a robust .NET Core fund accounting application with Entity Framework, incorporating Test-Driven Development (TDD) and xUnit for comprehensive testing to ensure high-quality deliverables.
* Analyzed and optimized core financial calculations, achieving a 20% increase in computational speed, directly impacting the accuracy and timeliness of fund reporting.
* Successfully migrated critical fund data to a NoSQL database using SQL stored procedures and triggers, resulting in significant performance improvements and enhanced scalability to support growing business needs.
* Led cross-functional teams through the full Software Development Lifecycle (SDLC), employing Agile Test-Driven Development (TDD) methodologies to ensure on-time delivery and alignment with evolving business requirements.

**Software Developer | Consultant for multiple B2B/B2C via Amdocs, Cognizant, All on Block| India**

**Jun 2017 – Jun 2019**

* Foundation Delivery Engineer involved in deployment of ERP System on AWS Cloud service, ensuring scalability, reliability, and security.
* Enhanced user interfaces for Supply Chain Management using React.js, optimizing usability and functionality.
* Conducted thorough Requirement Analysis and collaborated with partners to finalize designs, ensuring alignment with client objectives.
* Developed critical front-end features for ERP on Blockchain using Go lang Supply Chain module, ensuring seamless integration and performance

# **EDUCATION**

WestCliff University, Irvine, California Jun 2024-Present

Master of Business Administration, Applied Cognitive Science

Arizona State University -Tempe, Arizona May 2022

Master of Science, Computer Science GPA: 3.83/4

Lakshmi Narain College of Technology - Bhopal Jul 2017

Bachelor of Engineering, Computer Science and Engineering GPA: 7.35/10

# **SKILLS**

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| Languages: | Python, Java, C, C++, Go, C#, HTML, CSS, JavaScript, TypeScript |
| Frameworks & Libraries: | React, Redux, Node.js, Spring Boot, Spring, UiPath,Selenium |
| Databases: | PostgreSQL, MySQL, SQL Server, MongoDB, Redis |
| Cloud Platforms: | AWS, Azure, GCP (S3, EC2, Lambda, Oracle) |
| Technologies: | AWS (Lambda, EC2, S3, DynamoDB, RDS, API Gateway, CloudFormation), Docker, Kubernetes, Jenkins, Git, REST APIs, GraphQL, Agile, Scrum, Jira |