# EMANI VENKATA NAGA VISWESWARA BHARAT KUMAR barathfullstack@gmail.com

# <https://www.linkedin.com/in/bharat-kumar-emani-971a1b106/>

# +1 (682) 436-0704

## PROFESSIONAL PROFILE SUMMARY

Accomplished **Java Full Stack Lead** with over **9 years of experience** in **designing, developing, and implementing robust, scalable applications**. Expert in full-stack development, specializing in **Java 8+ ecosystems, Spring Boot frameworks, and modern Angular versions**. Proven track record in **architecting microservices**, **leading cross-functional development teams**, and driving technical strategy for **enterprise-level** projects. Expert in modern Angular versions, with strong proficiency in **HTML, CSS, and responsive design**, and expertise in **CSS preprocessors like Sass and Less**. Adept in using **TypeScript and modern JavaScript (ES6+)**, with a deep understanding of front-end frameworks and libraries. Proficient in Angular state management using **NgRx** and experienced in **micro frontend architecture and module federation**.

Demonstrated expertise in **Generative AI (GenAI) technologies**, including **large language models (LLMs)**, **computer vision**, and **natural language processing (NLP)**. Experienced in leveraging **GPT-3 and DALL-E** for code generation, documentation, and visual prototype creation. Proficient in integrating **AI-assisted coding tools** like **GitHub Copilot**, **TabNine**, and **Claude 3 Sonnet** to enhance productivity and code quality. Skilled in applying **GenAI concepts** to optimize development processes, automate repetitive tasks, and create innovative solutions for complex business problems.

**Key strengths include:**

**Backend Development and Architecture:**

* Advanced proficiency in **Java 8+** and **Spring Boot framework** for server-side development.
* Expertise in **microservices architecture** and **RESTful APIs**.
* Strong Knowledge on **spring batch, spring data flow** and **spring JMS frameworks**.
* Strong understanding of **Object-Oriented Programming** (OOP) concepts and **SOLID Design Principles**.
* **Netflix OSS**: Experience with Eureka, Zuul, Hystrix, and Ribbon for building resilient, scalable microservices and managing distributed systems.
* Experience with ORM technologies like **Hibernate and JPA**.
* Experienced with **Node.js and Express.js for full JavaScript stack development**.

**Frontend Development:**

* Advanced knowledge of **Angular 14+**, including state management with **NgRx**.
* Expertise in **HTML, CSS, and responsive design principles**.
* Proficient in **CSS preprocessors (Sass, Less)**.
* Strong understanding of **TypeScript and modern JavaScript (ES6+)**.
* Implemented micro frontend solutions using module federation.
* Extensive experience with build tools such as **Webpack** for bundling and optimizing applications.
* Expertise in **lazy loading and minimizing HTTP requests** to improve application performance.
* Applied UI/UX principles to enhance user experience and interface design.
* Implemented **SEO strategies to improve search engine visibility and ranking**.

**Database Management:**

* **MongoDB**: Proficient in using MongoDB for designing, managing, and optimizing NoSQL databases in distributed, scalable applications.
* Thorough understanding and experience in **PLSQL (Oracle), TSQL (SQL server), and REDIS NoSQL** programming, including designing tables and writing Scripts, Stored Procedures, Functions, views, triggers, and optimizing for performance.

**Cloud and DevOps:**

* Skilled in cloud technologies, particularly **PCF**, **AWS**, **GCP**, and **Azure**.
* Proficient in **DevOps** practices, **CI/CD pipelines**, and **containerization** (**Docker**, **Kubernetes**).
* Expert in version control systems: **Git, GitHub, GitLab, and Bitbucket**.
* Experienced with branching strategies like **GitFlow and trunk-based development**.

**AI and Generative Technologies:**

* **Utilized GPT-3 to generate boilerplate code and API documentation, reducing development time by 40%**.
* **Used DALL-E to create visual prototypes from textual descriptions, streamlining the design process**.
* **Completed GENAI certificate from Wipro**, demonstrating proficiency in generative AI technologies and applications.
* Proficient in utilizing **GitHub Copilot**, **TabNine**, and **Claude 3 Sonnet for AI-assisted coding and productivity enhancement**.

**Testing and Quality Assurance:**

* Adept at **Test-Driven Development (TDD) and Behavior-Driven Development (BDD)**.
* Expert in Java unit testing frameworks: **JUnit 5, Mockito**.
* Proficient in Angular testing using **Jasmine and Karma**.
* Knowledgeable in testing frameworks such as **Jasmine and Mocha** for unit and integration testing.

**Other Technologies and Methodologies:**

* Experience in **Middleware, Kafka, MQ /Rabbit MQ / IBM MQ**.
* Knowledgeable in **Agile methodologies and JIRA for project management**.

## TECHNICAL EXPERTISE DEMONSTRATED

### **WIPRO**

### Nov 2021 - July 2024

*An industry-leading firm with approximately 200,000 employees and revenues exceeding $9 billion, and clients/partners like FedEx Corp, Adobe,Amazon Web Services, Cisco and Microsoft.*

**Project #1**: FedEx - Brazil

**LEAD FULL STACK DEVELOPER** (June 2023 - July 2024)

*BRECO is a compliance solution for FedEx that integrates with Brazil Government systems and domestic business applications for document issuance, rating, and billing. It interfaces with over 20 applications using JMS, REST, SOAP, and SFTP protocols. BRECO supports up to 350,000 shipments daily*

**Roles and Responsibilities**

* Led Java Full Stack development efforts for the BRECO Regulatory and Compliance solution at FedEx Brazil.
* **Designed and implemented Core Java and Java 8+ components**, with a strong understanding of **Object-Oriented Programming (OOP) concepts and SOLID Design Principles**, leveraging JDBC for database interactions and REST APIs for seamless integration with 20+ FedEx and non-FedEx applications.
* **Netflix OSS**: Experience with Eureka, Zuul, Hystrix, and Ribbon for building resilient, scalable microservices and managing distributed systems.
* **MongoDB**: Proficient in using MongoDB for designing, managing, and optimizing NoSQL databases in distributed, scalable applications.
* Developed frontend interfaces using **HTML5, CSS, Bootstrap 5, and Angular 14/18 for web application** and **android application** for driver using java to enhance user experience and ensure compliance with Brazil Government regulations.
* Architected and implemented **Microservices using Spring Boot and Spring Cloud, ensuring scalability and fault tolerance** to support 350K shipments daily.
* Implemented multithreading techniques to optimize performance and handle concurrent processing of compliance documents.
* Worked on **Middleware, Kafka, MQ /Rabbit MQ / IBM MQ.**
* Managed **SQL Server (2016)**, and **REDIS databases**, optimizing queries and ensuring data integrity for regulatory reporting.
* Utilized DevOps tools such as **Maven, Gradle, Jenkins, and GitHub** for continuous integration and deployment (CI/CD) of BRECO application updates.
* Deployed and managed applications on Cloud Platforms including **Pivotal Cloud Foundry** (PCF) and **AWS**, ensuring high availability and scalability.
* Orchestrated containerization of application components using Docker and Kubernetes for efficient deployment and management across environments.
* Leveraged IntelliJ IDEA, STS, Eclipse, Android Studio, and Visual Studio Code as Integrated Development Environments (IDEs) for code development and debugging.
* Implemented Agile methodologies and utilized JIRA for project management, ensuring timely delivery of milestones and adherence to project timelines.
* Employed Git, GitLab, and BitBucket for version control and collaborated with team members on code repositories.
* Integrated Purple ID **OKTA** for real-time analytics and user authentication.
* Implemented logging and monitoring solutions using Splunk, Kibana, and Analytics Mixpanel to track application performance and user interactions.
* **Utilized GPT-3** to generate boilerplate code for **Java Spring Boot** services and **Angular components**, as well as to automate API documentation, reducing development time by **40%**.
* **Employed DALL-E** to create visual prototypes for **Angular UI designs** based on textual descriptions, streamlining the front-end design process and improving client collaboration.
* **Leveraged AI tools** like **GitHub Copilot**, **TabNine**, and **Claude 3 Sonnet** to assist in coding across the **Java Full Stack**, significantly enhancing development speed and ensuring higher code quality for both the **backend** and **frontend**.

**Project #2**: FedEx - GROUND (US)
**SENIOR SOFTWARE ENGINEER**  (Nov 2021 - June 2023)

*FedEx Ground is a division of FedEx Corporation focused on shipping and delivering packages across the United States and Canada, employing an extensive ground transportation network and advanced logistics technology.*

**Roles and Responsibilities**

* Developed Full Stack solutions for FedEx - GROUND (US), integrating 15+ applications via REST APIs.
* **Designed and implemented Core Java and Java 8+ components**, with a strong understanding of **Object-Oriented Programming (OOP) concepts and SOLID Design Principles**, leveraging JDBC for database interactions and REST APIs for seamless integration with 20+ FedEx and non-FedEx applications.
* **Netflix OSS**: Experience with Eureka, Zuul, Hystrix, and Ribbon for building resilient, scalable microservices and managing distributed systems.
* **MongoDB**: Proficient in using MongoDB for designing, managing, and optimizing NoSQL databases in distributed, scalable applications.
* Developed frontend interfaces using **HTML5, CSS, Bootstrap 5, and Angular 14+ for web application** and **android application** for driver using java to enhance user experience.
* Worked on **Middleware, Kafka, MQ /Rabbit MQ / IBM MQ.**
* Designed **microservices with Spring Boot and Spring Cloud** to manage 10M daily shipments, optimizing with multithreading for peak performance.
* Managed SQL Server and REDIS databases, implemented DevOps practices (Maven, Jenkins, GitHub), and orchestrated Docker and Kubernetes deployments for scalable, CI/CD applications on PCF and AWS.
* **Utilized GPT-3** to automate the generation of boilerplate code and API documentation, achieving a **40% reduction in development time**.
* **Employed DALL-E** to create visual prototypes based on textual descriptions, streamlining the design process and enhancing collaboration with stakeholders.
* **Leveraged AI tools** like **GitHub Copilot**, **TabNine**, and **Claude 3 Sonnet** to assist in coding, which significantly boosted productivity and improved code quality.

### **Accenture**

### Dec 2019 - Nov 2021

*Accenture, a global leader in consulting, technology services, and outsourcing, employs approximately 624,000 people worldwide and generates revenues exceeding $56 billion, and clients/partners like Microsoft, Google.*

**Project #1**: MUWS Technical - GOOGLE PROJECT **SENIOR SOFTWARE ENGINEER** (Dec 2019 - Nov 2021)

**Roles and Responsibilities**

* **Designed and implemented Core Java and Java 8+ components**, with a strong understanding of **Object-Oriented Programming (OOP) concepts and SOLID Design Principles**, leveraging JDBC for database interactions and REST APIs for seamless integration with 20+ Google and non-Google applications.
* **Netflix OSS**: Experience with Eureka, Zuul, Hystrix, and Ribbon for building resilient, scalable microservices and managing distributed systems.
* **MongoDB**: Proficient in using MongoDB for designing, managing, and optimizing NoSQL databases in distributed, scalable applications.
* Developed frontend interfaces using **HTML5, CSS, Bootstrap 5, and Angular 9+ for web application** and **android application** for driver using java to enhance user experience.
* Designed **microservices with Spring Boot and Spring Cloud** to manage large-scale data processing, optimizing with multithreading for peak performance.

### **Zebi Data India Pvt. Ltd**

### Jul 2018 - Nov 2019

*Zebi Data India Pvt. Ltd., a leading data security and blockchain solutions provider, employs over 200 professionals and generates substantial revenue by delivering innovative technology solutions to clients across various industries.*

**Project #1**: ZEBI AI CHAIN

**SOFTWARE ENGINEERING** (Jul 2018 - Nov 2019)

*Blockchain based Artificial Intelligence (AI) solutions has been implemented in the Hospitality Industry.*

**Roles and Responsibilities**.

* **Designed and implemented Core Java and Java 8+ components**, with a strong understanding of **Object-Oriented Programming (OOP) concepts and SOLID Design Principles**, leveraging JDBC for database interactions and REST APIs for seamless integration with 20+ FedEx and non-FedEx applications.
* **Netflix OSS**: Experience with Eureka, Zuul, Hystrix, and Ribbon for building resilient, scalable microservices and managing distributed systems.
* **MongoDB**: Proficient in using MongoDB for designing, managing, and optimizing NoSQL databases in distributed, scalable applications.
* Developed frontend interfaces using **HTML5, CSS, Bootstrap 5, and Angular 14 for web application** and **android application** for driver using java to enhance user.
* Developed and maintained backend **Java RESTful APIs using Spring Boot** for Zebi AI Chain, a **blockchain-based** hotel application.
* Implemented **Node.js** services to support the blockchain functionality and enhance system performance.
* Utilized Spring Boot for robust and scalable backend development, and integrated the application with blockchain to ensure data security and integrity.
* Collaborated with cross-functional teams to ensure compliance with industry standards and best practices in blockchain and mobile application development.

### **Stellent Soft Pvt. Ltd**

### Aug 2016 - Jul 2018

*Stellent Soft Pvt Ltd is a top rated mobile app company specializing in iPhone, iOS, iPad, and Android.*

**Project #1**: Waleteros - Mobile Banking

**Developer - Fullstack** (Aug 2016 - Jul 2018)

*Waleteros, a leading fintech company, employs a diverse team of professionals and generates substantial revenue by providing innovative financial solutions and services to underserved communities.*

**Roles and Responsibilities**.

* **Handled the complete registration process** using **Catalina services** with **Ideology SDK** and **Java** for backend integration.
* **Developed and maintained** RESTful web services using **Java** and **Spring Boot** to support various app functionalities.
* **Played a key role** in managing backend services using **Java** and **Spring Boot** for integrating modern web applications.
* Utilized major SDKs like **Ingo**, **Intercom**, and **Mixpanel** to support diverse functionalities in the web ecosystem.
* Managed critical functionalities such as **Ingo check deposits** and **Intercambia transactions**, ensuring smooth operation across platforms.
* Implemented comprehensive **user tracking** with **Mixpanel**, **Google Analytics**, and **Facebook Pixels** for detailed user behavior insights.
* Ensured **responsive UI design** using **Angular** and **CSS**, maintaining consistency across devices and screen sizes for an optimal user experience.
* Leveraged **Java** for backend service development, enhancing system performance and robustness.

## EDUCATION

**Bachelor of Technology in Electronic and Communication Engineering**

Jawaharlal Nehru Technological University, Kakinada (June 2011 - April 2015).

Graduated with a 75% score.

*Additional Professional Development:*

* ***GENAI Certification*** *– Wipro (Issued 2024).*
* C ,C++,JAVA CERTIFICATION – INDO-GERMAN INSTITUTE OF ADVANCED TECHNOLOGY (Issued May 2016).