

Venkat Kumar Venna

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PROFESSIONAL SUMMARY

Software Developer with 4 years of experience in full-stack development, proficient in Java, Spring Boot, Microservices, and both front-end and back-end technologies. Skilled in JavaScript, HTML/CSS, AWS, Azure, and database management (MySQL, Postgres). Expertise in CI/CD pipelines using Jenkins and Docker. Proven ability to build scalable applications and optimize microservices performance. Passionate about driving innovation and contributing to high-performing teams to enhance software quality and user experience.

TECHNICAL SKILLS:

Languages:	Java, JavaScript, TypeScript, SQL.
Frameworks:	Spring Boot, Microservices, JSP, Express JS, Angular 6/8.
Tools & Technologies:	Git, Docker, Jenkins, Apache Kafka, Zipkin, Micrometer, Kubernetes, minikube, Google Kubernetes Engine, Spring Security, Hibernate, JPA, Azure Devops, RESTful API, JSP servlets, Maven, Spring MVC, Junit, TestNG, Jenkins, Kibana, Bit Bucket, Selenium.
Cloud & Databases:	AWS, Azure, MySQL, PostgreSQL.
Methodologies:	Agile, Waterfall.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services | Hyderabad, India

Jun 2022 – May 2023

System Engineer

Project: Tata Pay, a payment gateway for Tata Neu application, which is a payments page to make the transactions for certain retail applications.

Concise Implementation: Contributed to the development of Tata Pay, the payment gateway for Tata Neu, by integrating multitender payment solutions and implementing critical microservices with threading for card transactions. Focused on integrating diverse payment methods, enabling multi-tender solutions within the backend application used across various business subsidiaries, including Croma and Big Basket.

Technologies used: Using Java 8 for developing the backend application, Microservices as the framework, and Azure for CI/CD and deployment with Azure Web Apps

Verizon | Hyderabad, India

Dec 2019 – Jun 2022

Programmer Analyst

Project: "My Business" platform, aimed at business customers in the wireless industry, suggests a significant real-world application.

Concise Implementation: Developed and maintained the 'My Business' platform for wireless business customers, enabling them to manage devices, upgrade services, and add new lines. Utilized Java 8, Spring Boot, Microservices, and Angular 8 to improve user experience and optimize platform performance.

Skills: Developed backend services using Java 8 within a microservices architecture and implemented the frontend with Angular 8. Utilized Jenkins for continuous integration and continuous deployment (CI/CD) processes.

Intern | South Central Railway |

May 2018 – Aug 2018

- Applied C programming in real-time systems for tracking train movements.

Projects:

Uber-like App: Ride-Booking Application (Uber-like Platform)

Java Developer | Spring Boot, Microservices, Angular

- Developed a ride-booking application backend using Java 8 and Spring Boot within a microservices architecture, implementing core features like user authentication, ride management, and payment processing.
- Created APIs for user registration, driver onboarding, ride requests, cancellations, and payments with Swagger UI for documentation, applying design patterns such as Strategy, Factory, Builder, and Singleton for scalability.
- Integrated a driver-matching algorithm (e.g., NearestDriverStrategy, RatingBasedStrategy) and dynamic pricing strategies like SurgePricingFareStrategy for real-time calculations.
- Utilized AWS for CI/CD pipelines, optimized database operations for ride requests and ratings, and configured DEV/PROD profiles with robust testing across environments.
- Enabled email notifications for drivers and riders during registration using external email services.

Weather App:

- Designed and developed a user-friendly web application to provide real-time weather information and forecasts using **HTML5**, **CSS3**, and **JavaScript (ES6+)**.
- Integrated **OpenWeatherMap API** to fetch real-time weather data, including temperature, precipitation, humidity, wind speed, and sunrise/sunset times for any city.
- Implemented search functionality, enabling users to retrieve weather information by city name.
- Created an interactive forecast chart using **Chart.js** to display temperature trends for the next several hours.
- Focused on intuitive design and responsive interface to enhance user experience across devices.
- Demonstrated expertise in API integration, dynamic UI updates, and data visualization.

Task App:

- Developed a dynamic and user-friendly to-do list application using **HTML**, **CSS**, and **JavaScript**.
- Implemented core functionalities, including adding, editing, marking tasks as completed, and deleting tasks, to enhance task management efficiency.
- Focused on responsive design and intuitive UI/UX to ensure seamless user experience across devices.
- Demonstrated proficiency in front-end development, problem-solving, and creating interactive web applications.

EDUCATION

Master of Science in Computer Science

Dec 2024

Lamar University | Beaumont, Texas .

Bachelor of Technology in Electronics & Communications Engineering

May 2020

K.L University | Hyderabad, India

CERTIFICATIONS

Azure Administrator (AZ-104), Azure Fundamentals (AZ-900), AI Fundamentals (AI-900), Data Fundamentals (DP-900), Azure Database Administrator(DP-300) ServiceNow Certified System Administrator.