Ravi Teja Bellam

Full Stack Developer
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Professional Summary

Accomplished and proactive **Full Stack Developer** with over **5+ years of expertise** in designing, developing, and deploying complex, high-performance web applications. Specialized in **microservices architecture**, **cloud platforms**, and **DevOps practices**. Skilled in optimizing both frontend and backend components, reducing load times, and enhancing performance. Experienced in leading Agile teams and delivering scalable solutions in cloud environments such as **AWS and Azure**. Adept at building responsive UI/UX interfaces using **Angular** and **ReactJS**, while driving system reliability through automated monitoring tools and CI/CD pipelines. Focused on continuous improvement, code quality, and collaborative teamwork.

Education

Master of Science in Computer Science — Wright State University, USA (2022)
Bachelor of Science in Electronics and Computer Engineering — KL University, India (2019)

Core Competencies

- **Frontend:** HTML5, CSS3, JavaScript (ES6+), ReactJS, Angular, TypeScript, Bootstrap, jQuery
- **Backend:** Java, Node.js, Python, Express.js, REST, GraphQL, Spring Boot
- **Databases:** SQL, PostgreSQL, Oracle SQL, MongoDB
- **Cloud:** AWS (EC2, S3, Lambda, DynamoDB, CloudWatch), Azure.
- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, Bamboo, Git/GitHub
- **Caching & Monitoring:** Redis, Memcached, Grafana, Splunk
- **Cybersecurity:** Disaster Recovery, Secure Coding Practices, Role-Based Access Control (RBAC)
- **Soft Skills:** Critical Problem-Solving, Agile Team Collaboration, Leadership, Clear Communication

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Professional Experience

Full Stack Developer
Lumen Technologies — Remote, OH | July 2023 – Present

- **Designed interactive UIs** using Angular and TypeScript, enhancing usability by implementing **custom form validation** and improving component reusability.
- **Developed and optimized RESTful APIs** with Spring Boot, resulting in **30% faster response times** during peak traffic by employing asynchronous programming techniques.
- Implemented **cloud-native microservices architecture**, deploying scalable applications on AWS ECS, ensuring **high availability** with zero downtime.
- **Built real-time Grafana dashboards** integrated with ECS logs, visualizing KPIs such as API latency, CPU/memory usage, and 5xx error rates to proactively mitigate issues.
- Automated **SLI/SLO alerts** via Honeycomb, integrating them with PagerDuty to streamline incident management and reduce **MTTR (Mean Time to Resolution)** by 40%.
- **Collaborated in code reviews** and technical design discussions, driving improvements that enhanced system scalability and reliability.
- **Migrated AWS resources across accounts**, ensuring **data integrity** and conducting post-migration validation through **cyber recovery drills**.

Software Developer
Ford Motor Company — Remote, OH | February 2022 – June 2023

- Spearheaded the development of modular **TypeScript components**, resulting in **50% faster front-end development cycles** across multiple product teams.
- Developed and deployed **Java APIs for AWS Lambda**, automating workflows such as **S3 data ingestion** and triggering downstream processes, improving cloud operational efficiency.

- **Redesigned SQL and PostgreSQL schemas**, boosting query performance by **25%** and enabling real-time data interaction across web applications.
- Enhanced **Splunk dashboards** for application monitoring, providing insights that reduced **incident resolution times by 30%**.
- **Implemented unit and integration testing frameworks** (Karma, Jasmine) to ensure continuous code quality, achieving **95% code coverage**.
- Contributed to Agile ceremonies, actively engaging in sprint planning, daily standups, and retrospectives to align development efforts with business priorities.

Programmer Analyst
Cognizant — Hyderabad, India | December 2019 – August 2021

- **Developed single-page applications (SPAs)** with Angular and React, enabling seamless navigation through **dynamic routing**.
- **Transitioned legacy Angular apps** to React, reducing page load times by **20%** and improving performance with **asynchronous data fetching**.
- Orchestrated the migration to **Azure Functions**, deploying cost-effective serverless solutions for backend processing.
- Implemented **Spring Security** to create role-based access control (RBAC) mechanisms, ensuring secure data access and regulatory compliance.
- **Collaborated across cross-functional teams**, contributing insights during technical discussions to enhance the backend architecture's performance and resilience.
- Utilized **Docker containers and Kubernetes** for environment consistency, improving deployment times by **40%**.

Software Developer Intern
People Tech — Hyderabad, India | June 2018 – May 2019

- **Gathered business and functional requirements** from stakeholders and translated them into technical deliverables.
- Developed **Java-based backend services** using Spring Boot and Hibernate, improving database interaction and reducing API response times.
- Implemented **JUnit test cases** to validate business logic and ensure comprehensive coverage of code modules.
- Automated build and deployment processes using **Maven** and **Gradle**, streamlining the development lifecycle.
- Managed **RESTful API development**, enabling integration with third-party applications through secure web services.

Certifications

- Java by Simplilearn
- AWS Cloud Practitioner (In Progress)

Academic Projects

- **E-Learning Project:** The **E-Learning Management System** is a Java-based web application that supports online learning. It uses JSP for the frontend interface, Java Servlets for backend operations, and MySQL for database management. Developed in Eclipse with Java EE and deployed on Apache Tomcat, it enables efficient management of courses, users, and educational content.
- **Embedded Systems and Internet of Things(IoT):** This project involves **designing a surveillance robot** that can operate remotely without requiring human presence nearby. The robot navigates within a designated area, streaming live video and data back to a controller over an internet connection. Built with a BeagleBone Black board, camera, and wireless connectivity. The technology stack includes HTML, CSS, and JavaScript for the frontend, Node.js for backend processing, and Embedded C for robot control.
- **Capstone Project:** Developed an e-commerce application with ReactJS on the front end for user authentication and Node.js on the back end including product catalog management, user accounts, and a secure checkout flow. Integrated AWS services for cloud storage and implemented a CI/CD pipeline using Jenkins and Docker.