

Sri Charan Balakundhi

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SUMMARY

Software Engineer skilled in **Java, Spring Boot, JavaScript, and React**, with hands-on experience building AI-driven applications and cloud-native solutions. Proficient in **AWS (S3, Lambda, API Gateway, IAM)** and **Azure** for deploying secure, scalable, and **event-driven architectures**. Experienced in **Generative AI** (LLM integration, RAG, prompt engineering) and developing reusable **front-end and back-end components** that enhance performance and reliability. Recognized for being detail-oriented and quick to adapt, delivering impactful solutions across **SaaS, AI, and telecom domains**.

EDUCATION

- **Northeastern University** Sep 2023 - May 2025
Boston, MA
MS Computer Software Engineering
 - GPA: 3.8/4.00
 - Relevant Coursework: Object Oriented Design, Web Design, Program Structures and Algorithms, Enterprise Software Design, Software Design Patterns, Advance Big-data indexing techniques.

EXPERIENCE

- **Founderway.ai** May 2024 - Aug 2024
Richmond, VA
Full Stack Engineer Co-op
 - Integrated Generative AI (LLM APIs with RAG) into a SaaS platform, building Java/Spring Boot microservices and Express APIs for AI-driven founder guidance (pitch decks, surveys, GTM plans).
 - Engineered backend orchestration with prompt validation, error handling, and usage/cost tracking, backed by a PostgreSQL history service for reliable, auditable AI responses.
 - Built context checks and reusable React/Next.js UI components to validate inputs and streamline chat workflows, improving reusability, performance, and secure user interactions.
 - Deployed across multi-cloud environments: leveraged AWS (Lambda, S3, API Gateway) for serverless AI endpoints and Azure PaaS for orchestration, integrated with CI/CD pipelines for secure, automated delivery.
- **Infosys Limited** Nov 2018 - Nov 2019
Pune, India
Senior Software Engineer
 - Designed, developed, and deployed RESTful microservices and integration APIs in Spring Boot, leveraging PL/SQL and MQ/XML messaging to streamline telecom order provisioning (FTTx), improving service modularity, reducing provisioning cycle time by 30%, ensuring scalable and secure OSS/BSS data flow.
 - Led migration of legacy services to AWS, introducing EC2 for compute, S3 for storage, and IAM roles for fine-grained access control, improving scalability and compliance.
 - Refactored monolithic backend modules into independently deployable AWS-hosted microservices, integrated with CI/CD pipelines (Git, Jenkins), reducing deployment downtime by 50%.
 - Implemented Infrastructure-as-Code (IaC) automation using Terraform and AWS CloudFormation templates, enhancing predictability and reducing manual intervention in large-scale OSS/BSS deployments.
- **Tech Mahindra Limited** Aug 2015 - Nov 2018
Pune, India & Leeds, UK
Software Engineer
 - Engineered and automated ETL pipelines using Java, PL/SQL, and shell scripts to extract, transform, and load large telecom order datasets across FTTC, FTTP, and FVA products, improving SLA compliance and traceability by 45%.
 - Developed and maintained the ASG Portal, enabling bulk data extraction, log retrieval, and automated deployment checks, reducing manual intervention by 50%
 - Collaborated with QA teams to design and execute unit, integration, and regression test cases using JUnit and Selenium, ensuring defect-free releases and faster turnaround.
 - Delivered RCA reports and Customer Service Improvement Plans (CSIP) under ITIL practices, coordinating with infrastructure teams to stabilize provisioning workflows and achieve 95% SLA adherence.

SKILLS

- **Programming Languages:** Java, JavaScript (ES6+), TypeScript, Bash, Python, SQL, PL/SQL
- **Backend:** Spring (Boot, MVC, Data JPA), Microservices, Node.js, Express.js, REST APIs, GraphQL, RabbitMQ
- **Frontend:** ReactJS, VueJS, Redux, HTML/CSS, Tailwind, Bootstrap, AJAX, JSON, Responsive UI, Jest
- **Databases:** Oracle, PostgreSQL, MySQL, MongoDB
- **Cloud Technologies and DevOps:** AWS, Azure, CI/CD, Jenkins, Docker, Kubernetes, Kafka, Terraform
- **Version Control & Workflow :** Git, GitHub, SubVersion, Jira, Agile/Scrum
- **AI:** Generative AI (LLM Integration, Prompt Engineering, RAG), Spring AI, OpenAI Java SDK
- **Certifications:** AWS Certified Solutions Architect – Associate

PROJECTS

- **GlobeMediWatch:** Built a community health platform to manage and organize medical camp events. Apr 2024
Tools: MERN Stack, Azure, Git
- **AutoNexus:** Built a design-pattern based Java system for managing rentals, purchases, and inventory. Apr 2025
Tools: Java, Design Patterns (Factory, Strategy, Decorator, Singleton)
- **SkyNavigators:** Visualized flight path optimization using Dijkstra, A*, Bellman-Ford, BFS, and DFS. Dec 2024
Tools: Java, Graph Algorithms, DSA
- **Husky Payroll Management System:** Payroll system for managing salaries, employee records, and reports. Dec 2023
Tools: Oracle SQL, PL-SQL