

Akash Arelli

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TECHNICAL SKILLS

Programming Languages : Java, JavaScript, C++, Typescript

Technologies : Spring Boot, Spring MVC, React.js, Microservices, kafka, Git, Cassandra, MySQL, REST APIs, MongoDB

Cloud & DevOps : Docker, Kubernetes, Jenkins, Google Cloud Platform, GKE, Terraforms (Iac), CI/CD

AI-Assisted Development : Cursor, OpenAI API, Generative AI, AI-assisted code generation, Prompt engineering

EXPERIENCE

Candescent

Oct. 2024 – Present

Software Engineer 2 (Project acquired from NCR Voyix)

Hyderabad, India

- Designed and built **10+ RESTful services** using Java and Spring Boot, applying **virtual threads (Project Loom)** to enable high-concurrency processing with a simplified synchronous programming model
- Built an **AI-powered audit investigation solution** using Spring Boot and the **OpenAI API** to correlate audit events and generate evidence-backed summaries, reducing investigation time by **40%**.
- Designed backend services following **Hexagonal (Ports & Adapters) Architecture**, improving testability, maintainability, and separation of concerns.
- Developed a modular frontend using React (Vite + TypeScript) with **Module Federation**, enabling runtime composition of independently deployed micro-frontends
- Leveraged **Cursor AI for AI-assisted software development**, accelerating code generation, refactoring, debugging, and implementation of backend services across Java/Spring Boot
- Integrated **MongoDB** with optimized queries and schema design to ensure fast and reliable data access
- Scaled applications in the staging environment on Google Cloud Platform (**GCP**) using Google Kubernetes Engine (**GKE**) and Compute Engine, optimizing performance and resource allocation.
- Integrated secure authentication and authorization using OIDC with Okta, enabling role-based access and SSO.

NCR Voyix

Jul. 2023 – Sep 2024

Software Engineer

Hyderabad, India

- Designed and developed **30+ scalable REST APIs and microservices** in Java and Spring Boot for core banking workflows, ensuring high availability, low latency, and reliable performance in a production environment.
- Containerized microservices using Docker and orchestrated with Kubernetes, enabling automated deployments and improving resource utilization by 30%.
- Contributed to UI development using React.js by implementing dynamic UI components and integrating APIs and optimized state management to eliminate redundant API calls **reducing backend load by 25%**.
- Streamlined VM management processes in a fast-paced environment through strategic monitoring, achieving a reduction in downtime by **15 hours** monthly while ensuring seamless deployment cycles for critical microservices.
- Collaborated with cross-functional teams to deliver reliable banking workflows, ensuring high availability and low latency in production.

EDUCATION

Sreenidhi Institute of Science and Technology

Aug 2019 – Jul 2023

Bachelor of Technology, Computer Science & Engineering

Hyderabad, India

ACHIEVEMENTS AND CERTIFICATIONS

- Solved **500+ Data Structures and Algorithms problems** on LeetCode.
- Achieved a **LeetCode Contest Rating of 1713**, ranking in the top 13% overall.
- Achieved top ranks of **2128 (Biweekly)** and **3460 (Weekly)** in LeetCode contests.
- Docker and Kubernetes certification in containerization, orchestration, and deployment.