

Gokul P R

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WORK EXPERIENCE

Capgemini – Software Engineer

Aug 2024 – Present /Bengaluru, India

- Developed and maintained enterprise-scale web applications using **Java Spring Boot and React**.
- Built and integrated **REST APIs in microservices architecture**, improving frontend-backend communication reliability.
- Participated in **Agile sprints**, delivering features and resolving high-priority production issues across full-stack components.
- Contributed to code quality improvements, modular architecture, and enterprise coding standards in production systems.

Matcon Group – Intern

Feb 2024 – Aug 2024

- Built a full-stack invoice processing platform using **React.js, Django, SQLite, AWS, and Docker**.
- Implemented **secure authentication, backend APIs, and interactive reporting dashboards**.
- Optimized logic and validations to improve accuracy and performance in low-bandwidth scenarios.
- Delivered end-to-end project under minimal supervision, coordinating directly with stakeholders.

PROJECTS

Secure QR-Based Smart Doorbell System (ExpressJS, NextJS, AWS, Docker, WebSocket)

- Developed a **real-time, contactless communication system** using QR codes, HMAC-signed URLs, and session-based authentication.
- Built **ExpressJS backend services** and integrated WebSockets for messaging and video calls.
- Deployed on **AWS with Docker**, ensuring scalability and reliability in real-time interactions.
- Patent filed:** IN202341043905 – Secure Doorbell System with QR Code.

Invoice Processing Platform (React.js, Django, AWS, Docker)

- Developed **interactive dashboards, forms, and workflows** optimized for performance.
- Integrated **AWS S3 and Lambda** for serverless storage and processing.
- Implemented **multi-tenant data handling patterns** and backend caching for faster performance.

TECHNICAL SKILLS

Frontend: React.js, Next.js, JavaScript, HTML, CSS, Tailwind CSS

Backend: Java, Spring Boot, Node.js, Express.js, Django

Databases: MySQL, MongoDB, SQLite

Cloud & DevOps: AWS (EC2, IAM), Docker

Concepts & Tools: Git, GitHub, Postman, Data Structures & Algorithms, System Design, SOLID Principles

EDUCATION

Presidency University, Bengaluru — B.Tech, Computer Science & Engineering (2020–2024)

CGPA: 8.31

St. Joseph's Pre-University College — PUC (2018–2020)

Percentage: 83.33%

St. Thomas Public School — ICSE (2015–2018)

Percentage: 90.3%

CERTIFICATIONS & ACHIEVEMENTS

- Microsoft Certified: **Azure Fundamentals (AZ-900)** – Issued May 2025
- Patent filed:** IN202341043905 – Secure Doorbell System with QR Code