

Amod Kumar J

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Professional Summary

Innovative and detail-oriented Software Engineer with strong foundations in software design, development principles, and scientific problem-solving. Specializing in full-stack development using React.js and Spring Boot. Demonstrates original thinking, fast learning, and effective collaboration within Agile teams. Proficient in designing reliable, optimized, and maintainable software applications. Eager to work in challenging environments, adhere to best practices, and grow within a professional engineering community.

Technical Skills

- Frontend: React.js, HTML5, CSS3, JavaScript, Tailwind CSS, SCSS, Material Ui
- Backend: Spring Boot, Node.js, Express.js
- Database: MySQL, PostgreSQL, MongoDB
- Tools & DevOps: Git, GitHub, Docker, Nginx, AWS EC2, CI/CD pipelines
- Core Concepts: RESTful APIs, JWT Authentication, OOP, Agile/Scrum, Responsive Design

Professional Experience

1Tx Technology India Pvt Ltd

Software Developer (Full-Time)

Feb 2025 – May 2025

- Architected modular UI components with React.js, accelerating feature implementation by 25% and decreasing front-end bug reports by 15% due to improved code reusability.
- Developed a reusable component library, cutting UI development time by 30% across multiple projects.
- Integrated RESTful APIs for seamless client-server communication
- Participated in Agile sprints, conducted code reviews, and contributed to sprint planning

QICPIC Innovations Pvt Ltd

Software Developer (Full-Time)

Jun 2024 – Dec 2024

- Engineered scalable full-stack dashboards using React.js and Spring Boot, reducing feature delivery time by 30%.
- Designed responsive UI layouts and interactive elements, improving user engagement metrics by 20%.
- Developed and secured RESTful APIs, enabling efficient and safe data transactions across services.
- Automated deployments with Docker, Nginx, and GitHub Actions, decreasing manual errors by 40%.
- Deployed applications on AWS EC2, achieving 99.9% uptime and improved load performance.
- Established CI/CD pipelines for faster testing and release cycles, cutting integration delays by 50%.
- Led version control and code collaboration using Git, enhancing team productivity during Agile sprints.
- Collaborated cross-functionally to define technical requirements and deliver production-ready solutions.

PROJECTS

Smart Email Sender (React + Spring boot + Ollama)

- Built a Smart Email Sender using React, Spring Boot, and Ollama LLM for AI-generated cold emails.
- Integrated Java MailSender for secure, automated email delivery via the web app.

AI-based Male Fertility Detection

- Developed an object detection solution using Detectron and CSF-DCR
- Performed sperm motility analysis via computer vision and motion tracking.

Online Voting System (MERN Stack)

- Developed a secure, full-stack voting system using MongoDB, Express.js, React.js, and Node.js.
- Implemented JWT authentication, role-based access, and responsive design

Admin Dashboard (React + Syncfusion)

- Developed a dynamic admin dashboard using React.js and Syncfusion UI components.
- Integrated charts, tables, and filters for interactive data handling.

Education

BACHELER OF ENGINEERING IN COMPUTER SCIENCE | 2024 | 7.65 CGPA

- College: Mangalore Institute of Technology and Engineering (MITE).
- Board: Visvesvaraya Technological University, Belgaum, Karnataka.

PUC (PCMB)(12TH) | 2020 | 86.24%

- College: MOTHER THERESA PU COLLEGE SHANKARANARAYANA.
- Board: Pre-University Board, Karnataka.

SSLC (10TH) | 2017 | 87.83%

- School: GOVT PU COLLEGE HALADY.
- Board: Secondary School Education Board, Karnataka.

Certifications

- Frontend Developer Certification – Pro5.ai
- Web Development Specialization – Coursera
- Java Programming – Coursera

Declaration

I hereby declare that the information provided is true to the best of my knowledge and belief. I take full responsibility for any discrepancies found in the information shared above