

# AMIT KUMAR

## SOFTWARE ENGINEER

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### SUMMARY

Highly accomplished Software Engineer with 6 years of experience leading full-stack web application projects, working heavily across frontend and backend systems from gathering user requirements to deployment and performance tuning. Specialist in frontend architectures (ReactJS, Redux, Micro Frontends) and backend systems (Java/Spring Boot, Python/Flask, MySQL, REST APIs). Adept at optimizing web performance, database queries, and code maintainability to deliver robust, secure, and scalable solutions.

### EXPERIENCE

#### Sr. Software Engineer

Nov 2021 - Present | Bengaluru, India

##### Lowe's India

Lowe's India is a leading home improvement retailer.

- Enhanced user experience through the development of intuitive UI designs and streamlined navigation features, reducing customer bounce rate by 15%.
- Built and integrated 12+ end-to-end features across existing Java/Spring Boot microservices to support new frontend capabilities.
- Partnered with UX/UI designers to translate their designs into functional, secure full-stack web applications, accelerating feature delivery by 20%.
- Led a major UI migration project to Micro Frontend architecture, boosting web performance by 30%.
- Streamlined Agile project management using Jira and Confluence, improving sprint velocity and team delivery rates by 15%.

#### Software Development Engineer - I

Dec 2020 - Nov 2021 | Bengaluru, India

##### Ampmesh Labs Pvt. Ltd. (Fre8wise)

Ampmesh Labs focuses on innovative technology solutions.

- Applied emerging technologies and industry advancements to full-stack project development, resulting in a 15% reduction in system overhead.
- Designed and built a scalable Admin Console and website from scratch using React and Firebase, serving 5,000+ active monthly users.
- Implemented 20+ secure database rules, serverless Cloud Functions, and REST API integrations to manage real-time synchronization.
- Delivered performance improvements that enhanced load speed and backend query latency by over 20%.

#### Software Development Engineer - I

Feb 2020 - Nov 2020 | Bengaluru, India

##### Incredible Technologies Pvt. Ltd. (CredR)

CredR specializes in the used vehicle market.

- Refactored legacy React apps from class components to functional components with hooks, reducing codebase size by 25% and boosting maintainability.
- Crafted reusable UI components and corresponding Flask backend API routes, optimizing rendering and request performance by 30%.
- Collaborated in building a real-time full-stack internal tool using Python, Flask, and MySQL to track vehicle inventory, improving tracking accuracy by 98%.

### PROJECTS

#### The Pdhantu Classes

Jul 2020 - Mar 2021

- Launched an e-learning platform using React, Flask, and AWS, handling 2,500+ concurrent users with high-availability AWS load balancing.
- Integrated secure payment gateways and 5+ custom test modules, managing optimized database schemas for 10,000+ user records.

#### Activity Log Dashboard

Nov 2023 - Present

- Engineered an internal dashboard that decreased database query response times by 30%, enhancing tracking transparency.
- Designed a multi-tab React dashboard with advanced search, improving data filtering efficiency by 40% and elevating user experience.

#### Cart Insights

Oct 2024 - Present

- Constructed an insights dashboard simulating 50+ checkout sequences and real-time order tracking.
- Developed reusable components and optimized page bundle size, reducing page load times by 25%.

### SKILLS

**Frontend Core:** HTML, CSS, JavaScript, React, Redux, Micro Frontends, Material UI, Bootstrap, Webpack

**Backend & DB:** Java, Spring Boot, Python, Flask, REST APIs, MySQL, SQL, Firebase (Firestore, Cloud Functions)

**Tools & Methods:** AWS, Git proficiency, Jira, Confluence, Agile Methodologies, UI/UX Design

### EDUCATION

#### Bachelor of Technology (B.Tech) in Electronics and Communication Engineering

Aug 2015 - Jul 2019 | Kolkata, India

St. Thomas' College of Engineering and Technology

### ACHIEVEMENTS

**Team Excellence Award:** Received two Team Excellence Awards at Lowe's for delivering features on schedule and driving seamless collaborations.

**Individual Spot Award:** Received Individual Excellence and two Spot Awards at Lowe's for high-impact contributions and successful micro-frontend migration.