Akhil Kumar Singh

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Experience

Epam Systems — Gurugram, India

Software Engineer — *Dec 2023 - Present*

- Contributed to Application Management, Product Creation, and Maintenance. Collaborated seamlessly with API teams, ensuring requirements alignment. Played a key role in developing a Pcm tool, resulting in a significant **2/3 reduction** in lead time for Index Permissioning and replacing outdated tools.
- Collaborated with development teams on code reviews to maintain coding standards and quality. Additionally, partnered closely with stakeholders and design teams to align product development with project goals.

Junior Software Engineer — *July 2022 - Nov 2022*

- Created **7+** versatile Angular components, including pagination, popups, notifications, and grids, to encourage code reusability. Implemented Route guards for enhanced application security and control.
- Significantly improved code quality through refactoring, addressing multiple loopholes, bugs, and code smells and achieving a remarkable increase in unit test coverage from **67% to 95%**
- Implemented Users and Application Management for Admin users, creating custom UI components such as navigation breadcrumbs, cards, and toggle keys to align with the client's styling conventions.
- Tech Stack   Angular, TypeScript, JavaScript, Scss, Unit Testing: Karma and Jasmine.

Junior Software Engineer Intern — *Jan 2022 - June 2022*

- Completed a 12-week training program covering OOPs, SOLID principles, and full-stack technologies, including HTML/CSS, JavaScript, TypeScript, React, Angular, Node.js, and Git.
- Contributed to 2 capstone projects

Yes Mentor — Agra, India

Software Engineer Intern — *April 2021 – July 2021*

- Made a user-friendly Admin Dashboard with ReactJS to easily handle courses on the main website. Connected Restful APIs for smooth course posting. The website is used by 100+ students for accessing study materials.

Education

Jss Academy Of Technical Education — Noida UP,India

B.Tech in Information Technology; CGPA: 8.07 — *Aug. 2018 – June. 2022*

Projects

FlowGen | *Next.js, Mermaid.js, OpenAI Apis* — **Link**

- Engineered at Epam Engx Open AI Hackathon 2023
- Built an AI-powered tool for ***automatic flowchart generation***, utilizing OpenAI API keys to generate Mermaid code for flowcharts while simultaneously displaying diagrams on the screen.

Code Collab | *React, Express, Socket.io* — **Link**

- Developed a ***real-time code editor*** where 2 people can collaborate with compiler, chat, and whiteboard. Utilized *Socket.io* for code synchronization and the Judge0 APIs for code compilation and output display.

College InfoConnect | *React, Firebase* — **Link**

- Created a web application to enhance communication between colleges and students. Implemented features for colleges to post notices and provided students with access to and engagement with the posted information.

Technical Skills

Languages: C, Java, JavaScript and TypeScript
Web-Technologies: Html, CSS, Angular, ReactJS, Rxjs, Node.js, npm, JSON, Rest-APIs
Tools: Git and Github, SonarQube, JIRA, Jenkins, Postman
Concepts: Algorithms, Data Structures, OOPS, Computer Networks, Operating Systems, SDLC
Certifications: Azure Fundamentals (Az-900), Aws Developer Associate (DVA-C02)

Achievements

- Secured the 2nd position at the EPAM India Coding DOJO and ENGX Design KATA event
- EPAM Product Coding League Finalist, excelled through 4 rounds among 800+ participants.
- Solved **500+ Problems** on Leetcode, GeeksForGeeks and various other platforms