Pratik G. Kale

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Software Development Engineer Profile

Solutions-oriented professional with 4 years of experience in driving innovation and delivering impactful technology solutions; translating customer needs into effective product features through collaboration. Skilled in system design, application development, and maintaining operational stability. Achieved success in developing secure, high-quality production code, troubleshooting software issues, and improving the stability of software applications and systems. Fostered a culture of continuous learning and process improvement, contributing to the development of market-leading technology products. Proficient in delivering scalable solutions that enhance user engagement and satisfaction. Prepared to push the boundaries of software development, leveraging expertise in React, Java, and agile methodologies to lead high-performing teams.

Technical Proficiencies

Programming Languages: Java 11, JavaScript, Typescript, Python, C++, HTML, CSS, SASS.
Frameworks: Spring boot, React (Material-UI), Angular 14, Next.js, Django, Frappe.
Miscellaneous: GraphQL, Apache Kafka, Node.js, MySQL, MongoDB, Google Cloud, AG Grid, CI/CD, JUnit 5, Git.

Career Experience

BNY Mellon, Jersey City   Jul 2020 – Present
Senior Associate (Full-stack Engineer)

Administer all aspects of migrating all business notifications to a new event-driven architecture. Improve efficiency and effectiveness of software development processes by executing industry-leading coding standards and agile methodologies; lead and guide **2** software interns on best practices for process improvement. Surpass defined business deliverables and timelines by providing strategic support to **5** team members in developing and deploying the app's user interface. Drive user adoption and facilitate seamless project transition through new end-to-end features and partnerships with product managers.

- Built and managed a no-code workflow orchestration platform in the Shared Service Technology team by maintaining high-level collaborations with stakeholders and product managers aimed at enabling business automation with over 15k reputable and digitized processes.
- Decreased average notification delivery time from 23 minutes to **3**; generated a **$2.5M** efficiency boost via an acceleration in delivery speed.
- Executed a Conditional Block Builder and Evaluator system using React Flow network and Spring Boot microservice; increased business operations speed by **38%** by revamping complex conditional logic development processes.
- Implemented Java multithreading to efficiently perform workflow task actions in bulk, resulting in a **10x** improvement in performance and system processing speed.
- Ensured real-time access to cached data across nodes by creating an in-memory cache synchronization solution within a distributed system utilizing message queues; monitored and maintained high data consistency and availability.
- Implemented and automated user behavior analytics using Apache Kafka and SQL stored procedures, generating actionable insights.
- Reduced support queries by **20%** and streamlined business onboarding by applying guided tours on a user interface.
- Spearheaded UI project with a focus on optimizing the experience for **10k** users daily with over **25k** overall user count.

Fidelity Investments, Chennai, India   May 2019 – Jul 2019
Software Development Intern

Developed and tested software modules to enhance the functionality of investment management tools. Collaborated with the development team to identify and troubleshoot software bugs. Assisted in the design and implementation of database schemas to optimize data storage and retrieval. Documented software processes to facilitate knowledge transfer within the team.

- Increased data processing efficiency by **25%** by introducing a GraphQL layer for data retrieval.

Key Projects

Reddit clone: Project Details   Jan 2023 - Mar 2023
- Developed and deployed a full-featured Reddit clone with functionalities including post creation, commenting, and upvoting/downvoting.

E-content Management Portal: Oct 2018 - Apr 2019
- Developed the service page for a research management system for the institute library utilizing GraphQL and Django.

Education & Awards

B. Tech. in Electrical Engineering, Indian Institute of Technology (IIT), Varanasi - Jun 2020
Awards: ACM ICPC 2019 Regionalist | Amritapuri, India & 1st prize in Spybits (Cryptography-based contest) | Udyam 2018