Vivek Thakur

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Education

California State University East Bay	Aug 2018 - Dec 2020
Bachelor of Science in Computer Science	*Hayward, CA*

Experience

Intact Insurance	Dec 2022 – Present
Software Engineer	*San Jose, CA*

- Implemented Apache Tomcat into our lower environments, improving build times by 62%
- Led a cross-functional team in implementing a new product line using Data Driven Design, SQL and Java, resulting in diversified revenue streams used by 30% of our users.
- Optimized MySQL database queries, resulting in enhanced detailed audit reports, a 20% improvement in query performance, and a remarkable 12x increase in pulled data capacity.
- Introduced automated testing processes with Zephyr, increasing test coverage by 30%, and reducing post-release triage by 40%
- Contributed to the adoption of agile methodologies, utilizing Jira and Confluence, improving team productivity by nearly 30% through iterative development cycles.

Shelter Insurance	May 2021 – Nov 2022
Software Engineer	*Austin, TX*

- Designed and implemented a microservice scheduling application from ground up with necessary pipelines using continuous integration and deployment (CI/CD) via Jenkins.
- Introduced automated testing processes with Jest and Enzyme, increasing test coverage by 30% and reducing post-release defects by 25%.
- Improved build stability by identifying and fixing a critical application bug that caused build failures at random by elevating memory thresholds
- Implemented new scalable APIs with data retrieval via Spring JPA for managing JSON communication between services using Spring Security and JSON Web tokens (JWT)

MDout	May 2020 – Dec 2020
Software Engineer Intern	*San Jose, CA*

- Designed and implemented a responsive disease modeling system via Angular with API calls to Twitter API.
- Connected our Python back-end systems to our front-end via Internal API's to enable data processing and data visualization which was done using ChartJS and Apache Charts.

Projects

USGS Serveillance App 1 | *Java, Spring, Angular, SQL, HTML, CSS*

- Created a Full-Stack application with scalable RESTful API to fetch and process large datasets with data visualization done with dashboards.
- Built a CI/CD pipeline using Jenkins and Docker, ensuring consistent and reliable releases.

Genetic Mutation prediction | *Java*

- Developed a data visualization dashboard using D3.js, providing stakeholders with real-time insights and improving decision-making processes.
- Built a CI/CD pipeline using Jenkins and Docker, reducing deployment time by 40% and ensuring consistent and reliable releases.

Technical Skills

Languages: Java, JavaScript,TypeScript, Python, Rust, C++, Groovy
Technologies: Spring Boot, Angular, React.js, Flask, TensorFlow, PyTorch, jQuery, Bootstrap, Node.js