

Vivek Mehta

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SUMMARY

Full stack software engineer with expertise in building scalable web, cloud, and AI-powered applications. Proficient in Java, Python, TypeScript, React, and Spring Boot, with experience in developing responsive user interfaces, optimizing backend systems, deploying on AWS and GCP, and leveraging AI frameworks to deliver high-performance, customer-centric solutions.

EDUCATION

Arizona State University | Master's in Information Technology | **GPA: 3.96/4.00** Arizona, United States
Courses: Systems Security, Big Data, Database Management, Data Visualization, NLP May 2025
Indus University | B.Tech in Computer Science and Engineering | **GPA: 3.95/4.00** Gujarat, India
Courses: DSA, OOP, DBMS, OS, ML/DL, Software Engineering, Big Data Technology, Compilers May 2023

TECHNICAL SKILLS

Languages & Web Development: Java, HTML, CSS, JavaScript, Python, TypeScript, C, C#, C++, PHP, Data Structure
Framework: J2EE, Spring, Spring Boot, Hibernate, MVC, React.js, NodeJS, Angular, Flask, MERN Stack, Maven, Linux
Databases & Visualization: MySQL, SQL Server, MongoDB, NoSQL, Tableau, PowerBI, Databricks, Data Analytics
Tools: Eclipse, IntelliJ, SQLyog, MySql Workbench, VSCode, Postman, Git, Github(Version Control) , MS-Excel , GitLabs, Visual Studio, Google Cloud Platform, Amazon Web Services, Azure, Slack, Jira, Streamlit, Android Studio

WORK EXPERIENCE

Software Engineer Intern January 2025 | Present
Yaako Global Services United States

- Engaged with global teams and business stakeholders to gather requirements, define project objectives, and deliver scalable software solutions, achieving a 25% reduction in project delivery times and enhancing automation workflows.
- Designed and developed software applications using **Python**, **TypeScript**, and **React** leveraging advanced data structures such as hash maps, trees, and queues to improve system performance and scalability by 30%.
- Built and optimized **NoSQL** database schemas and queries, using problem solving techniques to improve data storage efficiency by 22% and support high-volume systems with millions of records.

Software Engineer Intern January 2022 | July 2023
Softvan PVT. LTD. India

- Led the adoption of Agile methodologies in 2+ projects, integrating **CI/CD automation**, **RESTful services**, and **Python**, reducing deployment time by 28% and improving system reliability, leading to 10% fewer production issues.
- Engineered and deployed interactive data visualization dashboards using **Angular** and **Java**, increasing data availability by 27% and reducing manual reporting time by 5+ hours per week, improving team efficiency.
- Optimized web application responsiveness using **AJAX** and **JavaScript**, reducing page load times from 3s to 1.8s (40% improvement) and improving user engagement by 15%, leading to a smoother browsing experience.
- Enhanced cross-platform application functionality using **Java**, **JSON**, and **XML**, ensuring compatibility across 3+ platforms, reducing bug reports by 20%, and improving overall system performance by 30%.

Software Engineering Consultant January 2022 | December 2022
Sac-Industries India

- Automated production workflows by designing and deploying a microservices solution that managed complex calculations, increased productivity and operational efficiency by 2x ensuring seamless Software Development Life Cycle (SDLC).
- Engineered and refined interactive user interfaces using **React**, **HTML**, **CSS**, and **TypeScript**, achieving a 97.98% uptime, improving frontend rendering efficiency and optimizing accessibility features, enhancing user engagement.
- Designed and implemented a multi-layered architecture using **Java**, **Spring Boot**, **MySQL**, and **JavaScript**, integrating **Spring Security** for robust role-based access control for 100+ employees, reducing unauthorized access incidents, improving workflow efficiency, and handling 1M transactions per day.
- Conducted rigorous **Automated Testing** as part of the SDLC quality assurance process, detecting and resolving 95% of defects pre-production, reducing bug-related delays by 30%, and improving usability and client satisfaction.

PROJECT WORK

Airbnb NYC Data Analysis Dashboard | *Tableau*

- Prioritized data-driven insights by analyzing Airbnb NYC data to identify trends in pricing, cancellations, and reservations, enabling informed decisions for tourists, hosts, and legislators.
- Created an interactive Tableau dashboard visualizing neighborhood-level insights, highlighting the impact of local characteristics on pricing to aid in competitive strategies.

Stock Search & Analysis Web Application | *HTML, CSS, React, Python, Flask, JavaScript*

- Integrated real-time stock data from the Finnhub API using Python and Flask, deploying the backend on Google Cloud App Engine to support live stock analysis.
- Directed user experience by optimizing HighCharts for interactive charting and stock trend visualizations in a fintech.

Student Personal Login | *Java, Spring Boot, Maven, JPA, Postman, OAuth*

- Launched a student login system with OAuth authentication and MongoDB storage, integrating GitHub and Facebook logins to achieve a 100% login rate using Java, Spring Boot, JPA, and MongoDB.
- Managed end-to-end secure access for over 50k+ student logins, enhancing security protocols and standardizing user management for improved efficiency and scalability.