

Vrishab Shetty

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EDUCATION

Northeastern University

Master of Science, Software Engineering Systems

Boston, MA

Sept 2023 – Present

Xavier Institute of Engineering

Bachelor of Engineering, Computer Engineering

Mumbai, India

Aug 2019 – May 2023

SKILLS

Languages: Python, JavaScript, Java, HTML, CSS, MySQL, C/C++, Kotlin, HCL, Go

Frameworks: Spring Boot, Hibernate, Express.js, Bootstrap, JUnit 4, ReactJS

Databases : MySQL, Microsoft SQL Server, MongoDB

Tools: Visual Studio Code, IntelliJ, Git, Android Studio, Gradle, XAMP, GCP, AWS, Docker, Terraform, Packer

PROFESSIONAL EXPERIENCE

Books2Trees

Mobile Application Development

Jul 2021 – Oct 2021

Mumbai, India

- Advocated MVVM architecture to yield a 40% decrease in app development duration while enhancing testing effectiveness by 30%
- Performed Unit testing with JUnit and Maven, resulting in 30% reduction in bug resolution time
- Orchestrated the implementation of a REST API to streamline book catalog management, resulting in a 50% reduction in manual data entry
- Secured user authentication using Firebase services, resulting in a 99.95% uptime for user login sessions, and safeguarded user data integrity
- Enforced security measure to block unauthorized screenshots and screen recordings, enhancing content confidentiality and protection

PROJECTS

Auction – Github

May 2023 – June 2024

- Engineered robust API endpoints using Java Spring Boot, enhancing interactions with auction using H2 database
- Developed the application using Docker and implemented Continuous Integration and Continuous Development to streamline the user experience
- Engaged throughout the entirety of the Software Development Life Cycle (SDLC), encompassing requirements, planning, design, implementation, and testing
- Utilizing Test-Driven Development (TDD) principle with JUnit 4 and Mockito to ensure best practices in code quality testing and deployment processes

Cloud API – Github

Jan 2024 – Mar 2024

- Leverage Terraform for infrastructure as code (IaC) to provision and manage cloud resources efficiently, leading to 30% faster deployment times and 25% reduction in downtime
- Architected a user authentication micro-service using Pub/Sub, integrating advanced verification protocols that enhanced security and reduced fraudulent login attempts by 30%
- Engineered horizontal autoscaling and load balancing solutions, leading to a 50% increase in application availability and seamless management of traffic spikes
- Established a robust Continuous Integration/Continuous Deployment (CI/CD) pipeline using Git and GitHub to automate testing and deployment processes and driving a notable 27% increase in project efficiency

ReSSSipes – Github

Nov 2023 – Dec 2023

- Developed a back end for the website utilizing MongoDB, optimizing data management and ensuring a 30% improvement in data retrieval speeds
- Established an interactive space with React where renowned chefs can come together to invent, exchange and share their recipes
- Incorporated secure user authentication via Passport.js, fortifying user accounts and reducing unauthorized access incidents by 40%
- Empowered admins to have comprehensive oversight by overseeing feedback and deleting comments as needed