Vaibhav Setia

Northeastern University, Boston, MA 02215 | +1 857-313-5023

setia.v@northeastern.edu | https://www.linkedin.com/in/vaibhav-setia/ | https://github.com/vaibhav-setia

TECHNICAL SKILLS

Languages	Java, Python, C, C++, JavaScript, HTML, CSS, PHP
Tools &Platforms	Git, Postman, AWS, Kafka, Docker, Kubernetes, Jenkins, RabbitMQ
Databases	MongoDB, MySQL, PostgreSQL, ElasticSearch
Frameworks	Spring Boot, React, Node.js, Angular, Kibana, Django, Junit, Hadoop, OpenCV
Functional Skills	CI/CD, Agile-Scrum, Microservice Architecture, Web Development

WORK EXPERIENCE

Amazon Robotics, Boston, Massachusetts   September 2023 - Present
Software Developer Co-op
- Wrote, & tested various **React** components, maintaining a **98%** code coverage rate, improving software reliability.
- Collaborated with **AWS**-based tools to automate execution and evaluation of discrete-event simulation experiments.

Manus Robotics, Boston, Massachusetts   June 2023 - August 2023
Software Developer Intern
- Designed a **Python SDK** and **PyQt5** GUI for an infrared sensor prototype, to reduce development effort by over **30%**.
- Architected low-latency **React** games to demonstrate sensor's functionality by efficiently processing real-time data.

JP Morgan Chase & Co., Bangalore, India   August 2020 - August 2022
Software Developer II
- Migrated legacy **SQL** databases to ElasticSearch indexes using **GraphQL**, **SpringBoot** and **Kubernetes.**
- Achieved **60%** reduction in search latency by optimizing ElasticSearch queries and indexing.
- Redesigned various legacy client-facing microservices and **Java REST** APIs using various design patterns, making them more modular and reusable which reduced response time by over **90%** and increased user interaction by **20%**.
- Designed & developed **3 microservices** using **Spring Boot along with Netflix OSS,** which met all the required **NFRs**.
- Built an interactive interface in **ReactJS** and **Redux** to automate **CI/CD** pipeline creation using **Jenkins** which ensured smooth deployments and reduce manual effort by **80%**.

Software Engineering Intern   January 2019 - July 2019
- Engineered a **Python** GUI platform for traders to automate stock report generation, eliminating delivery time by **95%.**
- Optimized the **NoSQL** queries to fix trading logic bugs, thus bringing down per job re-run costs from 100$ to 25$.

PROJECTS

Stock Trading Platform, Java, Junit, Swing | [GitHub]   October 2022 - December 2022
- Developed a **Java**-based GUI, Stock Trading platform using OOPS concepts and builder design pattern to enhance code quality and functionality of application, reducing development time by more than **20%**.
- Tested application extensively leveraging **Junit** with **100%** code coverage and followed **SOLID** design principles.

Mindset Analysis Using Psychometric Games, Python, React, AWS, PostgreSQL | [GitHub]   August 2019 - May 2020
- Partnered with team of 5 people to develop a **web portal** of games for psychometric analysis of teachers' mindset.
- Architected and implemented games using **ReactJS** and hosted on **AWS** to ensure high availability and scalability.

ACHIEVEMENTS
- 1st position, JP Morgan Hackathon, led a 4-person team to **automate** release deployment steps to production from **Git**.
- 1st position in IEEE India Hackathon, developed desktop arcade games for **windows** and **linux** platform in **Java**.

EDUCATION

Northeastern University, Boston, MA   Expected May 2024
Master of Science in Computer Science   GPA: 4.0/4.0
Related courses: Program Design Paradigm, Database Systems, Algorithms, Distributed Systems

Punjab Engineering College, India   June 2020
Bachelor of Technology in Computer Science and Engineering
Related courses: Object Oriented Design, Data Structures, Web Development, Software Design