VAISHNAVI GUJJARI

+1 9722146984 – vaishnavidevigujjari@gmail.com – linkedin.com/vaishnaviguijari – github.com/vaishnaviguijari
Portfolio: vaishnaviguijari.me, Seattle, Washington (Open to relocation)

Skills

Languages: Java J2EE, JavaScript, Python, C, C++, C#, GoLang, TypeScript, Shell Scripting
APIs: REST web services, GraphQL, OpenAPI
Cloud: AWS (Amazon Web Services), GCP, Microsoft Azure
Database: MySQL, NoSQL, PostgreSQL, MongoDB, Oracle
Methodologies: SDLC, Agile, Waterfall, Scrum
Spring Framework: Spring MVC, Spring Boot, JPA, JDBC
Tools & Technologies: MacOS, Windows, Linux, Figma, Jira, Taiga, Trello, IntelliJ, Visual Studio, Confluence

Web Development: HTML, CSS, JQuery, Tailwind CSS, Material UI, DOM, JSON, YAML, Bootstrap, PHP
DevOps: CI/CD, Git, GitHub, Docker, Kubernetes, Jenkins, GitLab CI, Maven, Gradle, Prometheus
Servers & Testing: Apache Tomcat, NGINX, Apache Kafka, JMeter, JUnit, Jest, Mockito, React Testing Library, Postman
Frameworks: React JS, Redux, Next JS, Node JS, Express JS, Django, Flask, Fast API, Hibernate, Angular JS, .NET
AWS: EC2, ECS, EKS, ELB, RDS, ASG, S3, IAM, RDS, Lambda

Experience

Full Stack Software Engineer — June 2024 – Sept 2024
Flow, Full-time Internship — *Remote, USA*

- Spearheaded the development and deployment of robust backend solutions using Node JS, supported by MongoDB, for the company's corporate website and B2B sales application, leading to a **35%** increase in B2B sales and a seamless user experience.
- Optimized server response time by **30%** and improved handling of peak traffic loads by configuring and managing NGINX for load balancing and performance.
- Orchestrated the deployment and scaling of applications on **AWS EC2** instances, optimizing instance types and load balancing, resulting in a **60%** improvement in resource utilization.
- Configured debuggers for Dockerized microservices, reducing diagnostic time by **30%** and increasing development efficiency through streamlined issue identification and resolution.
- Implemented comprehensive logging and monitoring solutions, contributing to a **20%** improvement in issue identification and resolution times across dev projects.

Software Engineer — July 2020 – July 2022
Sureify — *Hyderabad, India*

- Improved data retrieval speed by **25%** and scaled to support over **10,000** requests per second by engineering and deploying high-performance RESTful APIs using AWS API Gateway, Lambda, and DynamoDB.
- Achieved a **75%** improvement in response times for **850K** requests by revamping the API Wrapper Microservice to support async with Worker Pools; awarded "Employee of the Month" for outstanding contributions
- Reduced infrastructure costs and accelerated deployment time by **62%** by managing and optimizing the deployment of **Docker** containers on AWS EC2 and **ECS**.
- Minimized manual intervention by **50%** and ensured continuous deployment across multiple environments by designing and establishing a DevOps strategy using Jenkins, Docker, **Kubernetes**, and AWS services.
- Demonstrated a keen eye for detail during thorough debugging and troubleshooting sessions, resulting in a remarkable **32%** reduction in critical system defects.
- Achieved a **30%** reduction in QA time by implementing automated testing with React Testing Library and Jest, while supervising a team of 8 interns and managing Agile/Scrum processes for sprint planning, reviews, and grooming

Software Development Engineer — March 2020 – June 2020
Innopark Ventures, Full-time Internship — *Hyderabad, India*

- Enhanced response time by **20%** and supported over **5,000** concurrent users by enhancing the backend architecture for the MVP of Rent-a-Block using the **MERN** stack.
- Collaborated closely with cross-functional teams throughout the project lifecycle, fostering seamless integration of machine learning solutions into existing business operations increasing operational efficiency by **20%**.
- Automated scaling and monitoring for AWS EC2 instances, resulting in a **25%** reduction in manual intervention and enhanced system resilience during high-demand periods.
- Developed and maintained backend systems and React JS SPAs, incorporating **20** new features and utilizing Axios for efficient HTTP requests, significantly reducing server load by **30%**.
- Utilized Swagger to design and document RESTful APIs, improving API development efficiency by **30%** and enhancing communication between frontend and backend teams with clear, interactive documentation, reducing integration issues.

Amazon Campus Mentorship Series (ACMS) Mentee — Jan 2020 – June 2020
Amazon, Mentorship Series, Part-time — *Hyderabad, India*

- Initiated the conceptualization of web-based applications leveraging Django to ensure the development of responsive and user-friendly interfaces and achieved a **25%** improvement in website loading speed through algorithm optimization techniques.
- Facilitated seamless application deployment and management using **Kubernetes** and **Docker**, which reduced deployment time by **35%** and streamlined updates across multiple environments.
- Conducted thorough API testing for **70+** RESTful APIs using Postman, employing HTTP methods like GET, POST, PUT, and DELETE, which identified and mitigated **95%** of critical issues before production, enhancing system reliability and uptime.

Projects

Resurge ([GitHub](#))   **June 2024 – Present**

- Developed a full-stack job application tracking platform with a React JS frontend and a robust backend using Java, Spring Boot, Hibernate, and Spring Data JPA, hosted on AWS, leading to a **25%** improvement in application responsiveness and a **20%** increase in user retention.
- Applied DevOps practices, including CI/CD pipelines, to automate testing, integration, and deployment, boosting system reliability by **25%** and reducing manual intervention by **60%**.

Kanban Board ([GitHub](#), [Live](#))   **Sept 2024**

- Designed and implemented a Kanban board using Tailwind CSS, React.js, and TypeScript, resulting in a **50%** improvement in user interface responsiveness.
- Integrated React Drag and Drop libraries to enable intuitive task management, increasing user productivity by **20%** and enhancing overall user experience.

Fleetman ([GitHub](#))   **Sept 2024**

- Reduced deployment time by **30%** and improved scalability by designing and implementing Kubernetes configuration files for the Fleetman microservice architecture.
- Handled up to **10,000** requests per minute by developing and integrating microservices such as position tracker, API gateway, queue, and position simulator using Java and MongoDB.

House Price Prediction ([GitHub](#))   **Sept 2024**

- Developed and implemented a predictive model to estimate property values using multiple machine learning algorithms, achieving a Root Mean Squared Error (RMSE) of **0.16**, representing a **30%** improvement in accuracy over baseline models.
- Conducted data cleaning, one-hot encoding, and hyperparameter tuning, which improved model accuracy by **20%** and enhanced overall performance.

InstaSure ([GitHub](#))   **Sept 2020 – July 2022**

- Led the back-end development of a scalable employee onboarding application using the Spring Framework, reducing onboarding time by **40%** for over **175** employees.
- Containerized the application with Docker and implemented continuous delivery pipelines, accelerating deployment times by **35%** and ensuring consistent environments across development, testing, and production.

Education

Arizona State University	**Aug 2022 – May 2024**
Masters in Computer Science	*Tempe, AZ, USA*
Chaitanya Bharathi Institute of Technology	**Aug 2017 – June 2021**
Bachelor of Engineering in Information Technology	*Hyderabad, India*

Certifications

- **IBM**: Docker Essentials: A Developer Introduction   **Sept 2024**
- **Postman**: API Fundamentals Student Expert   **May 2024**
- **Microsoft Certified**: Azure Data Fundamentals   **April 2024**

Achievements

- **Microsoft Student Partner:** Organized **15+** JavaScript & GitHub workshops, engaging over **300** students, boosting technology adoption.
- **Computer Science Mentor:** Mentored **50+** students in CS, Python, C++, strengthening coding skills, Data Structures and Algorithms & interview prep.
- Appointed as Director for the G20 Committee at CBIT MUN, overseeing committee operations and leading discussions on global economic policies and international cooperation.