Subodh Gujar | Software Engineer & Full Stack Developer

sgujar@ncsu.edu | +1 (984) 895 3555 | linkedin.com/in/subodh-gujar | github.com/subodh30 | Raleigh, NC | USA

Professional with 3+ years of hands-on experience in increasing user engagement and revenue through strategic improvements in code quality, system architecture, and automation. Proficient in Java, Python, Angular, React, REST API, SQL, and Cloud Deployments, with a strong background in Agile methodologies, and implementing automation solutions to streamline processes and enhance system performance.

TECHNICAL SKILLS

Programming Languages	Java, Python, Ruby, SQL, Angular, React, Typescript, HTML, CSS, JavaScript, Shell script, Groovy, C#
Database & Servers	Oracle, MariaDB, MySQL, Microsoft SQL, Apache Tomcat, JBOSS, NodeJS, NoSQL
Frameworks	Agile, Git, REST APIs, Spring MVC, Spring Boot, JDBC, ASP.NET, Jenkins, Bootstrap, Docker, Kubernetes, AWS
Management Tools	Scrum, Maven, Gradle, JIRA, Confluence, Agile Centre, GitHub, Bitbucket, Cloud, OpenShift, Ansible, Git Actions

EXPERIENCE

Barclays | BA3 – Software Engineer (Full-Time) *[Java, Angular, SQL, Oracle, Jenkins, Bitbucket, OpenShift, Agile]* July 2019 – July 2022

- Achieved a remarkable 35% increase in user engagement of a responsive web application, 'iPortal' a banking platform, using Java, Spring boot, Angular, SQL, RESTful APIs through code quality improvement and bug resolution.
- Collaborated with cross-functional teams to deliver exceptional results by gathering requirements, planning sprints, and seamlessly integrating new features within tight deadlines enhancing 7% annual revenue.
- Led a successful batch migration to microservices architecture, resulting in an impressive 66% execution boost through efficient database queries and caching techniques.
- Conducted code reviews, identified, and resolved 90% of bugs during development phase, ensuring high-quality deliverables.
- Created and managed file-beat and log-purging applications using ELK stack, enabling 50% faster log processing, and preventing data loss.
- Implemented robust automation to streamline 95% of daily manual tasks associated with cloud environment sanity checks, enabling the environment support team to proactively resolve issues and significantly reduce downtime.

Zinnia | Software Engineer Intern (Internship) *[React, Typescript, C#, ASP.NET, Microsoft SQL, REST API, Git]* May 2023 – November 2023

- Assisted in developing a web-based log management system using C#, React and Microsoft SQL, improving overall efficiency by 25%.
- Participated in the full software development lifecycle, including requirements gathering, system design, coding, testing, and deployment.
- Engineered, developed, and deployed a highly optimized system architecture, resulting in an impressive 60% performance increase, thereby maximizing system efficiency, scalability, and delivering superior user experience.
- Conducted unit testing and collaborated with QA team to identify and resolve 95% of issues, ensuring the stability and reliability of the system.
- Implemented RESTful APIs and integrated third-party services, resulting in a 15% reduction in external system dependencies & downstream services, and improved application performance.

EDUCATION

North Carolina State University | *College of Engineering* August 2022 – May 2024
Master of Science | Computer Science **GPA: 4.0**

Savitribai Phule Pune University | *Pune Institute of Computer Technology* August 2015 – May 2019
Bachelor of Engineering | Computer Engineering **GPA: 9.29**

PROJECTS

Generative AI: Automated Git Action Generation using LLM *[GPT 3.5, GPT 4]* (Plugin)(Research Paper)(arXiv:2312.13225) December 2023

- Pioneered the utilization of Large Language Models (LLMs), specifically GPT-4, to automate GitHub Action workflow for DevOps tasks, showcasing substantial advancements in DevOps awareness, syntax correctness and workflow generation efficiency.
- Developed a GitHub plugin, integrated with Probot, empowering developers to seamlessly generate & integrate workflows into their project using issues and Pull Requests, thereby streamlining software development cycle.

DevOps Pipeline: From Code Chaos to Deployment Symphony *[GitHub, Ansible, Git Actions, Blue-Green Deployment]* (Link) December 2023

- Led successful implementation of DevOps automation project, effectively addressing, and mitigating challenges of manual software deployment.
- Orchestrated design and execution of comprehensive pipeline incorporating build and test workflows, deployment in various environments, security testing, a strategic rollback procedure, resulted in heightened operational efficiency and substantial reduction in time-to-production.

Database Management Systems: Wolf Media *[SQL, MariaDB, Java, JDBC, RESTful APIs, Spring boot]* (Link) May 2022

- Designed and developed a new database schema for a media streaming service, resulting in a 30% reduction in data redundancy.
- Analyzed and optimized table schemas and queries by implementing indexing strategies and query caching techniques to improve overall database performance utilizing REST APIs, JDBC connections to MariaDB server for handling concurrent requests.

Microservices Monitoring: OpenShift Management Portal *[Java, Spring Boot, REST APIs, Angular, Jenkins, OpenShift]* March 2022

- Pioneered the creation and execution of an OpenShift Management Portal to deliver a flexible and scalable solution that revolutionized the comparison of application states with desired states, reducing decision making time by 80%.
- Streamlined the development and deployment process by implementing robust CI/CD pipeline, empowering automated the build, test and deployment of the application leveraging technologies like Docker, Jenkins and Kubernetes improving development speed by 50%.