Anirudh S Shirahati

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SUMMARY:

Engineering Leader and Senior Software Developer with 6+ years of experience building scalable, cloud-native web and backend systems. Proven success leading agile teams and delivering robust applications using Python, Java, and modern frameworks. Expertise in Azure, GCP, SQL, and DevOps practices. Adept at translating business needs into efficient, maintainable solutions with a hands-on, execution-driven approach.

TECHNICAL SKILLS:

Languages & Frameworks: Python, Java, JavaScript, FastAPI (Python), Dash (Python), Spring Boot, Vue.js
Cloud & DevOps: Azure, GCP, Docker, Kubernetes, Azure DevOps, GitHub Actions, GitLab
Databases: SQL, MongoDB, T-SQL, BigQuery, Cloud SQL
Tools & Practices: CI/CD, REST APIs, Agile/Scrum, Tableau, Microservices Architecture

WORK EXPERIENCE:

RWE Clean Energy Services, LLC | Chicago, IL   June 2021 - Present

Software Engineering Manager | Python, JavaScript, Dash, FastAPI, Azure DevOps, SQL, MongoDB, Docker, Kubernetes, Azure

- Reduced manual engineering effort by 70% through Python automation of Solar PV financial modeling.
- Designed and deployed scalable, cost-efficient infrastructure on Microsoft Azure, improving uptime and performance.
- Implemented CI/CD pipelines with Azure DevOps, increasing deployment frequency and system reliability.
- Led Agile ceremonies and team-wide code reviews, fostering engineering excellence and collaboration.
- Partnered with finance and operations to align technical solutions with key business KPIs.

University of North Carolina at Charlotte | Charlotte, NC   August 2020 - May 2021
Research Assistant | Python, Vue.js, Docker, Cloud SQL, Cloud Build, Cloud Firestore, Cloud Functions, App Engine, Cloud Run

- Engineered containerized ML training pipelines on Google Cloud, cutting model iteration time by 50%.
- Developed a SaaS platform for automated ML bias testing, enabling experiments with a 3-click workflow.
- Automated end-to-end ML workflows with Cloud Functions and Firestore, enhancing reliability and repeatability.

Previous Java Development Roles | Mumbai, India   February 2016 - April 2019
Software Developer / Java Developer | Java, JavaScript, Spring Boot, SQL, HTML, CSS, Git

- Delivered web and backend solutions for banking clients including ICICI Bank, JPMorgan Chase, and National Commercial Bank using Java and Spring.
- Automated regulatory, payroll, and loan processing workflows, improving operational efficiency by 25–60%.
- Contributed to 3+ full SDLC projects in Agile teams, with focus on backend performance tuning and SQL optimization.

PROJECTS:

Serverless Word Splitter Data Pipeline | Java, Apache Beam, Cloud Dataflow, Cloud Storage | **Github**

- Built a scalable ETL pipeline using Apache Beam and deployed on Cloud Dataflow for streaming text analysis.

Housing Price Prediction App | Python, Docker, Cloud Build, Cloud Run, CircleCI, Locust | **Github**

- Trained and deployed ML model with CI/CD automation using Docker, Cloud Run, and CircleCI.

EDUCATION:

University of North Carolina at Charlotte | Charlotte, NC   May 2021
Master of Science, Computer Science (Concentration: Data Science)

University of Mumbai | Mumbai, India   May 2015
Bachelor of Engineering, Computer Engineering