

Anirudh S Shirahati

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SUMMARY:

Engineering Leader and Senior Software Developer with 6+ years of experience driving scalable, cloud-native backend systems. Expert in Python, Java, Azure, GCP, and modern DevOps practices, with a proven ability to lead teams, innovate, and deliver impactful solutions. Skilled in fostering clarity, empowering teams, and developing technologies that accelerate business growth.

TECHNICAL SKILLS:

Languages & Frameworks: Python, Java, JavaScript, TypeScript, FastAPI (Python), Dash (Python), Flask, Spring Boot, Vue.js

Cloud & DevOps: Azure, GCP, Docker, Kubernetes, Azure DevOps, GitHub Actions, GitLab

Databases: SQL, MongoDB, 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 workflows on GCP, reducing 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.

Bank Marketing Analysis | Python, Pandas, NumPy, Scikit-Learn | **Github**

- Performed data analysis and calculated fairness metric for the protected feature to help detect bias in the given dataset.

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