

# Aditirao Arunkumar Kalanji

## Software Engineer

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### SUMMARY

Software Engineer with 4+ years in backend development, specializing in Python, Java, and scalable APIs. Skilled in optimizing database performance and implementing microservices architecture to boost system efficiency. Experienced in cross-functional collaboration to deliver seamless integration and automation across development and cloud environments.

### SKILLS

**Programming Languages:** Python, Java, Node.js, JavaScript

**Frameworks & Technologies:** Express.js, Django, Flask, RESTful APIs, GraphQL

**Databases:** MySQL, PostgreSQL, MongoDB, SQL Server

**Cloud Platforms:** AWS (EC2, Lambda, S3, RDS), Azure, GCP

**DevOps & Tools:** Jenkins, CI/CD pipelines, Git, GitHub

**Web Servers:** Apache, Tomcat

**Testing & Debugging:** JUnit, Postman, Selenium

**Containerization:** Docker, Kubernetes

**Operating Systems:** Linux, Windows, Mac

### EXPERIENCE

#### Software Engineer, Metlife, USA

January 2024 - Present

- Developed RESTful APIs, boosting data throughput by 20% and reducing response times for critical business processes by 30%. Optimized SQL queries and led database migrations, achieving a 40% reduction in query execution time.
- Collaborated with front-end teams to integrate backend services with React.js and Angular, ensuring seamless user experiences.
- Leveraged AWS (EC2, Lambda, S3, RDS) for application deployment and maintenance, supporting a scalable and reliable cloud infrastructure.
- Streamlined deployment with Jenkins and Docker for automated CI/CD, reducing release times by 50% and achieving 90% unit test coverage using JUnit and Mockito.

#### Senior Systems Engineer, Infosys Ltd., Bangalore, Karnataka, India

August 2021 - June 2022

- Led a team of 4 and managed an offshore DevOps team, driving operational excellence by executing automation and establishing configuration management initiatives.
- Conceptualized Jenkins and IBM's UrbanCodeDeploy to orchestrate automated continuous integration builds and deployments, guaranteeing a streamlined software delivery and release process and reducing the time taken by 30%.
- Collaborated on a successful Proof of Concept to migrate on-premises DevOps infrastructure to cloud automation, enhancing scalability and resource utilization.
- Developed scalable backend services in Node.js and Express.js, supporting over 1 million daily transactions, optimized PostgreSQL schemas to reduce query response time by 25%, and integrated third-party APIs for payments, shipping, and inventory management.

#### Consultant (Software Developer), Mercedes-Benz Research & Development India, India

August 2019 - July 2021

- Rapidly progressed from Graduate Engineering Trainee to Consultant, demonstrating strong professional growth and achievement.
- Spearheaded the development of automation software using Python-Flask, HTML, and CSS, crafting robust APIs to streamline routine Linux system administration tasks, enhancing efficiency by reducing release process time by 60%.
- Improved system security by implementing JWT-based authentication and role-based access control (RBAC).
- Awarded the Bronze Star for exceptional customer focus and technical excellence in supporting the MBUSA DevOps toolchain, ensuring high customer satisfaction.
- Managed Docker and Kubernetes containerized applications for improved portability and scalability, gathered requirements for backend solutions aligned with business goals, and ensured adherence to best practices in performance, security, and scalability.

#### Software Developer, Experion Technologies, India

August 2018-June 2019

- Improved cross-functional collaboration within an Agile framework, boosting project delivery efficiency and reducing time-to-market to develop front-end components with HTML, CSS, and JavaScript, enhancing the user interface and overall experience.
- Built and optimized Python backend services, achieving a 30% boost in processing efficiency and a 20% reduction in API response times through code refactoring.
- Designed and optimized MongoDB schemas with advanced indexing and normalization, improving query performance by 35% and strengthening data integrity.
- Integrated third-party APIs (payment gateways, location services, user authentication) for secure, seamless data exchange, and automated routine tasks and deployments with custom scripts, reducing manual intervention and deployment times.

### EDUCATION

**Masters in Computer Science,** University of Texas at Dallas, TX USA

August 2022-May 2024

**Bachelors in Computer Science & Engineering,** KLS Gogte Institute of Technology, KA, India

August 2015-August 2019

### CERTIFICATIONS

Cambridge: Business English Certificate Preliminary (BEC-P)

Udemy: Python Certification, Jenkins CICD Certification, Salt-stack Certification

Coursera: Machine Learning by Stanford Online Certification