

Alanso Mathew

+91 8956448235 | alansomathew10@gmail.com | linkedin.com/in/alansomathew | github.com/alansomathew |
Portfolio
Kerala, India

PROFESSIONAL SUMMARY

Full Stack Python Developer with 4+ years of experience designing and deploying scalable web applications, RESTful APIs, and cross-platform mobile solutions. Proficient in Python, Django, React.js, PostgreSQL, AWS, and Docker. Delivered production systems serving 5,000+ concurrent users with 99.9% uptime, reduced database latency by 35%, and cut deployment times by 60% through CI/CD automation. Experienced in agile development, microservices architecture, and AI-integrated workflows. Passionate about backend system design, cloud-native patterns, and building high-impact products at scale.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), SQL, Dart

Backend: Django, Django REST Framework, FastAPI, Flask, RESTful APIs, Microservices

Frontend: React.js, HTML5, CSS3, Tailwind CSS, Bootstrap

Mobile: Flutter (iOS & Android cross-platform)

Databases: PostgreSQL, MySQL, SQLite, MongoDB, Firebase, Redis

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, GitHub Actions, CI/CD, Nginx

Testing & Tools: PyTest, Unit Testing, Git, Linux, Celery, Agile/Scrum

Concepts: System Design, Database Optimization, API Architecture, Performance Tuning, AI-Integrated Workflows

PROFESSIONAL EXPERIENCE

Software Engineer – Django / Full Stack

Aug 2022 – Present

CHRIST University, Lavasa

Pune, Maharashtra, India

- Architected and delivered 10+ internal web and mobile applications powering university operations, improving departmental efficiency by up to 40% across academic and administrative functions.
- Designed and maintained 25+ production-grade REST APIs using Django REST Framework, reducing average API response time by 40% through payload optimization and efficient serialization.
- Engineered Django applications serving 5,000+ concurrent users at 99.9% uptime, implementing robust error handling, caching strategies with Redis, and background task queues with Celery.
- Optimized PostgreSQL database schemas and query performance through strategic indexing, query refactoring, and connection pooling – reducing system latency by 35%.
- Built and deployed containerized microservices using Docker on AWS (EC2, S3, RDS), enabling horizontal scaling and achieving zero-downtime deployments.
- Implemented CI/CD pipelines using GitHub Actions, cutting deployment cycle times by 60% and increasing production release frequency with automated testing gates.
- Developed cross-platform mobile applications using Flutter, eliminating the need for separate iOS and Android codebases and reducing mobile development overhead by 50%.
- Built interactive front-end components with React.js, enhancing user engagement and measurably reducing page bounce rates.
- Led debugging, profiling, and testing initiatives, reducing post-deployment bug incidents by 35% through systematic code reviews, unit tests with PyTest, and load testing.
- Collaborated cross-functionally with UI/UX designers and product stakeholders in agile sprints, consistently delivering features on schedule.

Senior Software Trainee – Python/Django

Jan 2022 – Jul 2022

Progressive Software Solutions & Training

Muvattupuzha, Kerala, India

- Contributed to the development and deployment of client-facing web applications using Django and React, applying best practices for maintainability and scalability.
- Architected reusable backend modules that improved code maintainability and reduced future development cycles for common use cases.
- Mentored 100+ students on Django, full stack development, and professional coding standards through structured training sessions.
- Improved relational database schemas and component libraries to accelerate feature delivery and reduce technical debt.
- Participated in peer code reviews and QA cycles alongside senior engineers, enforcing adherence to coding standards and performance benchmarks.

Software Trainee – Django Developer

Aug 2021 – Dec 2021

Progressive Software Solutions & Training

Muvattupuzha, Kerala, India

- Implemented backend features using Django and PostgreSQL, including third-party API integrations and unit test coverage.
- Designed and delivered foundational web development training programs on Django, HTML/CSS, and JavaScript for individual and group learners.
- Created and maintained educational materials, continuously improving learning outcomes through participant feedback and industry trend analysis.

KEY PROJECTS

MentorEezy – Mentoring Management Platform | *Django, DRF, PostgreSQL, React, AWS*

- Built a multi-role web platform (mentor, mentee, admin) with goal tracking, session scheduling, and reporting dashboards – improving mentoring program efficiency by 30%.
- Designed scalable RESTful APIs with role-based access control (RBAC), deployed on AWS with auto-scaling and Nginx reverse proxy.

Locally Away – E-Commerce Platform | *Django, React.js, PostgreSQL, Stripe, AWS*

- Engineered a full-featured e-commerce backend with Stripe payment integration, order lifecycle management, and inventory tracking.
- Deployed with AWS auto-scaling groups and S3 media storage, ensuring high availability under variable traffic loads.

Wallet View – Personal Finance Analytics App | *Django REST APIs, Firebase, React*

- Developed an analytics backend serving 1,000+ active users, featuring real-time data synchronization via Firebase and spending trend visualizations.
- Designed modular API architecture enabling seamless future feature extensions without breaking existing integrations.

EDUCATION

Bachelor of Computer Applications (BCA)

Jun 2018 – Jul 2021

Mahatma Gandhi University

Kerala, India

CERTIFICATIONS

Meta Frontend Developer Professional Certificate – Coursera (2023)

Flutter Development Certification – Udemy (2022)

JavaScript Intermediate, Python Basics, SQL Intermediate, Problem Solving Intermediate – HackerRank

AWS Cloud Practitioner – In Progress