

Nashid Muhammed

Software Engineer

Calicut, Kerala

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Software Engineer with 4+ years of experience specializing in Python, Django, and full-stack web development. Experienced in building scalable cloud-deployed applications, optimizing databases, integrating AI-powered APIs, and implementing secure production systems. Proven ability to work with cross-functional teams, manage deployments, and deliver high-quality solutions for global clients.

Work Experience

Software Engineer (Python, Django)

CrowdAnalytix - Bangalore, Karnataka

November 2024 to Present

- Designed and developed **scalable backend architectures** using Python and Django for cloud-deployed enterprise applications.
- Optimized **database schemas and query performance**, improving application reliability and scalability under high traffic.
- Built and maintained **modular, reusable Django applications** following clean architecture and best practices.
- Gained hands-on experience with **large-scale software infrastructure**, including system design patterns, service integration, and performance considerations.
- Worked closely with cross-functional teams to understand **end-to-end system workflows** in a large engineering organization.
- Actively participated in **structured deployment pipelines**, including multi-stage deployments, environment configuration, and release management.
- Integrated and consumed **AI-powered APIs**, collaborating with data and AI teams to deliver intelligent application features.
- Implemented **secure deployment and server configurations**, following industry standards for authentication, authorization, and data protection.
- Collaborated with **international clients**, participating in requirement discussions, technical clarifications, and solution walkthroughs.
- Contributed to **team coordination and communication**, supporting task planning, code reviews, and knowledge sharing across teams.

Full Stack Developer (ReactJS, Django)

Vikncodes LLP - Calicut, Kerala

November 2022 to July 2024

- Developed scalable architectures and optimized database schemas for cloud-deployed applications.
- Developed web applications using **Python, Django, React, Next.js, and JavaScript**.
- Managed **Nginx** and **Apache** servers, ensuring performance and security.

- Deployed applications on **AWS**, **DigitalOcean**, and **Oracle Cloud**.
- Implemented **Celery** for background task processing and used **Supervisor** for monitoring.
- Configured **Crontab** for automated backups and maintenance tasks.
- Led **ZATCA Phase 1** implementation and nearly completed **Phase 2** for tax compliance.
- Designed and optimized **PostgreSQL** database schemas.
- Integrated front-end with **RESTful APIs**, enhancing scalability and efficiency.
- Improved application security with **JWT**
- Collaborated with **UI/UX designers** for a seamless user experience.
- Led a team of 4 developers, delivering 5 client projects 20% faster than scheduled.

Co-Founder, Lead Developer

Jesy Foods - Calicut, Kerala

March 2020 to November 2022

- Developed and maintained the company website using **Django**, ensuring a user-friendly interface.
- Designed and implemented custom accounting software with **Python** for inventory and sales tracking.
- Streamlined financial processes, improving accuracy and operational efficiency.
- Contributed to technical strategy and scalable digital growth.

Jr. Python Developer

Soften Technologies - Ernakulam, Kerala

August 2019 to January 2020

- Supported senior developers in learning new technologies and improving Python coding skills.
- Contributed to web application UI design using HTML, CSS, JavaScript, and Django.
- Designed relational database schemas with MySQL and PostgreSQL.
- Collaborated with UI/UX designers for front-end and back-end integration.
- Participated in code reviews to ensure coding standards and best practices.

Education

Python Django in Programming

Soften Technologies - Ernakulam, Kerala

April 2019 to July 2019

Bachelor's in Computer Applications

Calicut University - Malappuram, Kerala

Jun 2017 to March 2019

Technical Skills

- **Programming Languages:** Python, Javascript (ES6+)
- **Frameworks:** Django, Django REST Framework, ReactJS, NextJS
- **Database & Caching:** PostgreSQL, MySQL, Redis
- **Authentication & Security:** JWT Authentication, Role-Based Access Control (RBAC)
- **Frontend Technologies:** HTML5, CSS3, Javascript, Ant Design, MUI
- **Data Analysis:** Pandas, NumPy
- **Version Control:** Git, GitHub, GitLab

- **Cloud & Hosting Platforms:** AWS, DigitalOcean, Oracle Cloud, Google Cloud Platform (GCP)
- **DevOps Tools:** Nginx, Apache, Celery, Supervisor, Crontab, Gunicorn, Daphne
- **Other Tools & Practices:** RESTful APIs, CI/CD Pipelines, Linux Server Management, Agile / Scrum Collaboration

Major Projects

AI-Powered Document Analytics & Comparison Platform (GCP)

A complete AI-processed document analysis software for document comparison and analysis

- Designed and developed an **AI-driven** document analytics platform for automated document comparison, content analysis, and insights generation.
- Implemented a user-based **multi-tenant architecture**, enabling secure isolation of data for individual clients.
- Integrated **OpenAI** APIs to perform intelligent document processing, semantic comparison, and analysis.
- Designed and optimized **PostgreSQL** databases for high-volume document storage and querying.
- **Tech Stack:** ReactJS, Django REST Framework, PostgreSQL, OpenAI API, Google Cloud Platform

Vikn Books

A complete ERP software for managing accounts and inventory with multiple reports.

- **Tech Stack:** React JS, Django REST API, PostgreSQL
- SaaS-based software with user roles and versions.
- Integrated with SSO authentication.
- Deployed multiple servers and databases on AWS based on country.
- **Link:** viknbooks.com

Rassasy POS

A sophisticated point-of-sale (POS) system tailored for the restaurant industry, designed for mobile and tablet devices.

- **Tech Stack:** Django REST API, PostgreSQL
- **Features:** Order management, sales tracking, token system, table management.
- **Impact:** Enhanced operational efficiency and customer satisfaction.

Languages

- English - Expert
- Hindi - Intermediate
- Malayalam - Fluent
- Arabic - Beginner
- Tamil - Beginner