AFFIL P M

Full Stack Software Engineer (Python, Django, React.js)

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Professional Summary

Full Stack Software Engineer with 1.5 years of experience developing, testing, and deploying scalable web applications using Python, Django, Django REST Framework, React.js, and AWS. Skilled in RESTful API development, cloud deployment, and front-end architecture. Proven ability to deliver production-ready applications with 99 percent uptime and 40 percent faster load times serving 100+ active users. Strong understanding of software engineering principles, database design, microservices, CI/CD, and DevOps tools including Docker, GitHub Actions, and Nginx. Demonstrated experience in backend systems, frontend interfaces, and secure payment integration (Razorpay). Passionate about clean code, system optimization, and building user-centric digital products.

Technical Skills

Programming Languages: Python, JavaScript, SQL, HTML, CSS Frontend Development: React.js, Redux Toolkit, Bootstrap, Tailwind CSS, Material UI, Responsive Web Design Backend Development: Django, Django REST Framework, REST API Design, Celery, Redis, Microservices Databases: PostgreSQL, MongoDB, Redis Cloud and DevOps: AWS (S3, EC2, CloudFront, RDS), Docker, Docker Compose, CI/CD, Linux, Nginx, Gunicorn Testing: Pytest, Unit Testing, Integration Testing, Test-Driven Development Authentication and Security: JWT, OAuth 2.0, Session Management, OTP Verification, Role-Based Access Control Payment Systems: Razorpay Integration, Transaction Handling, Webhooks Development Tools: Git, GitHub, Postman, Visual Studio Code, Figma

Professional Experience and Projects

Wave – Music Streaming Platform GitHub: https://github.com/affilpm/Wave Technologies: Python, Django, DRF, React, Redux, PostgreSQL, Redis, Celery, AWS S3, CloudFront, Docker, Nginx - Developed and deployed a scalable streaming platform supporting more than 100 concurrent users. - Implemented adaptive HLS streaming, playlist management, and JWT-based authentication. - Reduced bandwidth consumption by 40 percent through CDN optimization. - Automated audio processing tasks using Celery and Redis, decreasing processing time by 60 percent. - Integrated Razorpay for 500+ secure transactions with automated payment verification.

Fruitkha – E-Commerce Platform GitHub: https://github.com/affilpm/Fruitkha Technologies: Django, React, PostgreSQL, Bootstrap, REST APIs, JWT, Razorpay - Built an e-commerce platform with inventory, wallet, coupon, and checkout systems. - Managed 200+

products and 1000+ monthly orders with 95 percent successful transactions. - Implemented admin dashboard with sales analytics and real-time data reporting. - Optimized performance with Redis caching and query optimization, cutting load time by 50 percent.

Blog CMS – Content Management System GitHub: https://github.com/affilpm/cms-blog-django.git Technologies: Django, DRF, PostgreSQL, AWS S3, JWT, Redis - Created a content management platform with multi-role access (Admin, Editor, Author). - Enhanced SEO and discoverability by 40 percent using structured metadata and sitemaps. - Added comment moderation, content scheduling, and media management via AWS S3.

Task Manager – Team Collaboration Application GitHub: https://github.com/affilpm/task-manager.git Technologies: Django, React, Redux, Tailwind CSS, PostgreSQL, Docker, Pytest, AWS EC2 - Built a collaborative task management web app with OTP authentication and notifications. - Achieved 85 percent code coverage using Pytest. - Deployed securely on AWS EC2 with Nginx and SSL configuration.

Additional Projects

- OLX Clone: React and Firebase marketplace app with real-time listings and authentication. - Netflix Clone: React interface using TMDB API and lazy loading for 35 percent faster rendering. - User Management System: Django REST and React application with JWT authentication and RBAC.

Education

Bachelor of Computer Applications (BCA) — Lovely Professional University, Punjab, India Expected Graduation: 2027 Relevant Coursework: Data Structures, Algorithms, Database Systems, Operating Systems, Computer Networks

Full Stack Development Bootcamp — Brototype, Kerala, India (2024 – Present) Intensive practical training on Python Django, React.js, REST API design, and Agile development practices.

Certifications and Achievements

- Solved 170+ algorithmic challenges on LeetCode demonstrating strong problem-solving skills. - Completed Brototype Full Stack Development Bootcamp (Django, React.js). - Published and maintained 15+ GitHub repositories with production-level projects.

Additional Information

Languages: English (Professional Proficiency), Malayalam (Native) Soft Skills: Communication, Problem Solving, Collaboration, Adaptability, Code Review, Time Management Interests: Open Source Development, Cloud Architecture, System Design, Web Performance Optimization