

AFFIL P M

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

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GitHub: github.com/affilpm

Professional Summary

Full Stack Software Engineer with 1.5+ years of experience designing, developing, and deploying scalable web applications using Python, Django, Django REST Framework, React.js, and Next.js. Proven expertise in RESTful API development, frontend architecture, cloud deployment, and DevOps workflows. Delivered production-grade applications with 99 percent uptime and up to 40 percent faster load times for 100+ active users. Experienced in AWS and DigitalOcean deployments, Docker-based infrastructure, CI/CD pipelines, and secure payment integrations. Strong advocate of clean code, performance optimization, and user-centric system design.

Technical Skills

Programming Languages: Python, JavaScript, SQL, HTML, CSS Frontend Development: React.js, Next.js, Redux Toolkit, Bootstrap, Tailwind CSS, Material UI, Responsive Web Design, SSR, ISR Backend Development: Django, Django REST Framework, Fast api, REST API Design, Celery, Redis, Microservices Databases: PostgreSQL, MongoDB, Redis Cloud and DevOps: AWS (S3, EC2, CloudFront), DigitalOcean Droplets, 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 Development Tools: Git, GitHub, Postman, Visual Studio Code, Figma, antigravity.

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.

Freelance Experience

Freelance Full Stack Developer

2025 – Present

School Website and CMS Platform Technologies: Next.js, Django REST Framework, PostgreSQL, DigitalOcean, Docker, Nginx

- Designed and developed a production-ready school website using Next.js for frontend and Django REST Framework for backend APIs.
- Implemented secure admin authentication for content management while keeping the public site fully accessible to visitors.
- Built dynamic pages for announcements, academics, facilities, and notices with SEO-friendly server-side rendering.
- Deployed the complete system on a DigitalOcean droplet using Docker, Gunicorn, and Nginx with SSL configuration.
- Ensured high availability, optimized performance, and secure environment configuration for a real-world client deployment.
- Maintained code in a private repository as per client confidentiality requirements.

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