

Pugalhendhi

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PROFESSIONAL SUMMARY

Full Stack Developer with 2 years of experience building scalable web applications using React.js, Next.js, TypeScript, and Python (Django). Experienced in REST and GraphQL APIs, authentication systems, real-time features, and performance optimization. Familiar with CI/CD pipelines, Docker, and cloud infrastructure.

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Next.js, Redux, Tailwind CSS, WebSockets

Backend: Python, Django, Django REST Framework, REST APIs, GraphQL

Authentication: Clerk Auth, Firebase Authentication, JWT, Role-Based Access Control

Database & Async: PostgreSQL, Redis, Celery, Background Jobs, Caching

DevOps & Cloud (Basic): CI/CD Pipelines, Jenkins, Docker, AWS EC2, Terraform, Sentry

Tools: Git, GitHub, Postman, Chrome DevTools, VS Code, npm

Other: API Integration, Performance Optimization, Responsive Design, Agile/Scrum

PROFESSIONAL EXPERIENCE

Full Stack Developer — **iNoesis Technologies Private Limited** June 2024 – Present, Chennai, India

- Developed and maintained full stack features using React.js, Next.js, TypeScript, and Django for production web applications with 5000+ active users
- Designed and implemented REST and GraphQL APIs using Django REST Framework
- Integrated Clerk and Firebase authentication with RBAC and JWT achieving 99%+ authentication success rate
- Built real-time features using WebSockets for live quiz tracking and user activity updates
- Implemented Redis caching and Celery background tasks reducing API response time by 40%
- Assisted in CI/CD pipeline setup using Jenkins
- Containerized applications using Docker and deployed to AWS EC2
- Worked with Terraform for infrastructure provisioning
- Optimized frontend performance using code splitting and lazy loading
- Debugged and resolved 50+ production issues

PROJECTS

Quizzer.AI – Online AI Quiz Generation Platform

- Developed an AI-powered quiz generation platform enabling users to upload documents and automatically generate quizzes
- Implemented role-based access control (RBAC) for admins, instructors, and learners
- Built REST and GraphQL APIs using Django for quiz generation, question management, and analytics
- Implemented Redis caching and Celery background processing
- Improved performance reducing page load time from 4.2s to 1.8s

QuickTest – Online Assessment and Challenge Platform

- Developed an online quiz and assessment platform with practice tests and coding challenges
- Built question banks, challenge modules, and leaderboards for tracking user rankings
- Designed REST APIs for exam management, scoring, and analytics
- Implemented authentication, timed exams, and responsive UI

EDUCATION

Bachelor of Engineering in Computer Science
Vellalar College of Engineering and Technology, Erode, Tamil Nadu

May 2023

KEY ACHIEVEMENTS

40% API performance improvement — 75% productivity gain — 35% code reuse — 99% auth success rate — 94 Lighthouse score — Real-time systems — CI/CD exposure — Dockerized deployments