Abhinav Peter

Software engineer with 2+ years of experience designing and building scalable web applications. Currently expanding expertise in system design and DevOps to deliver quality, scalable applications.

Hyderabad, Telangana.
+91 7093740476
abhinavpeter1999@gmail.com

EXPERIENCE

Denaurlen, Hyderabad — Senior *Software Engineer*

Nov 2024 - July 2025

- Led a group of 5 engineers in architecting and delivering a secure Single Sign-on (SSO) system for an ed-tech platform using microservices, Node.js, Express.js, OAuth2.0, and Clean Architecture, delivering robust APIs for seamless identity and access management.
- Integrated a centralized GraphQL API gateway and gRPC-based communication between microservices, enabling low-latency, high-throughput cross-service interactions in a distributed architecture.
- Developed authentication workflows in Next.js with refresh-token handling secure session management, and optimized storage strategies, While collaborating with a flutter mobile app team to ensure consistent cross-platform experiences.
- Worked closely with design, product, and QA teams to create smooth, secure user flows, Mentored juniors engineers, ran code reviews, contributed to hiring, and maintained clear technical documentation to support scaling and future enhancements.

Freelance , Hyderabad — Freelancing

Aug 2024 - Oct 2024

- Architected and deployed two MVP-ready applications using React, TypeScript, Node.js, and MongoDB a (fintech expense tracking app and professional portfolio) that enable a startup to secure seed funding.
- Improving page-load time by 25% through code splitting, lazy loading, and optimized database indexing.
- Delivered comprehensive technical documentation, including architecture diagrams, API contracts, and deployment guides to ensure smooth handoffs and long-term maintainability.

SOCIALS

linkedin.com/in/abhinav-peter/

abhinavpeter.vercel.app

github.com/peter-abhinav

SKILLS

JavaScript (ES6+), Typescript, Python, GO, C.

ReactJS, Next.js, Redux, Tailwind CSS, SASS, Flutter.

Node.js, Express.js, REST APIs, GraphQL, gRPC, Microservices, Clean Architecture, MVC.

MongoDB, MySQL, PostgreSQL.

Git, Github, Role-based Access control (RBAC), Amazon S3, Clean architecture, Agile/Scrum Practices.

EDUCATION

Arkansas Tech University, Russellville, AR — 2022

Master of science in Information technology.

CMR Technical campus, Hyderabad, TS — 2021

Bachelor's Degree in Computer Science

Delta AirLine, Atlanta — *Software Engineer*

Jan 2023 - Aug 2024

- Improved the backend of the existing reservation system platform by migrating key services like booking, payment processing, seat management, and notifications to Node.js and Express microservice architecture.
- Introduced gRPC-based inter-service communications to enhance reliability and throughput between the platform's core modules.
- Upgraded the web frontend using Next.js to modernize flight search, and seat selection.
- Collaborated with UX designers, product managers, and QA engineers to implement automated email notifications, addressing previous limitations of legacy batch processing systems.
- Helped the team by sharing knowledge with new engineers, while also mentoring junior engineers.

PROJECTS

Project Tracking System (PTS) using MERN stack

- The project tracking system (PTS) is a web-based platform that helps keep track of different projects and tasks within the organization, making it easier to see the progress.
- It allows users to manage tasks, set deadlines, and assign responsibilities, helping teams stay organized and on schedule.
- The system collects project information in one place, making it simple to generate reports and understand how projects are progressing.
- It also supports collaborations by enabling team members to communicate and share updates within the platform, improving coordination and efficiency.

E-Study - A distance learning app

- Developed E-Study, a full-stack MERN application designed for institutions like colleges and universities to manage digital learning.
- Architectured and implemented role-based access control, enabling admins to manage permissions for students and faculty efficiently.
- Built tools to track student progress, enhance communications between faculty and students, and improve an overall learning experience.
- Collaborated in a team 3 to develop the frontend web platform using Next.js and build a cross-platform mobile app using flutter, ensuring a consistent user experience across web and mobile.
- Delivered scalable backend services with Node.js and MongoDB, optimizing API performance and ensuring secure data handling.