

## ABHINAV NEGI

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Full-stack engineer with 2.5 years of experience designing and implementing high-efficiency back-end and front-end cloud native systems. Skilled in developing secure modular architectures, optimizing system performance, and enhancing scalability through event-driven and microservice-based solutions.

### EXPERIENCE

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#### San Lak Services Pvt. Ltd.

*Sr. Developer* (FullStack Developer)

Dec. 2024 - Present

- Developed a spiritual services platform for online and on-site Pooja bookings, leveraging **Next.js** and **NestJS** with optimized **REST API** caching for faster response times.
- Architected a scalable **microservices-based** backend using **NestJS** and **Kafka**, enabling real-time event-driven communication and improving system responsiveness by **40%**.
- Leveraged **Kafka** for monitoring analytics, integrating **Prometheus** as a data source for metrics, **Loki** for log aggregation, and **Grafana** for visualization-improving system observability by 60% and reduce issue detection time by 50%.
- Devised a secure **JWT**-based authentication system using **PassportJS** and Role-Based Access Control (**RBAC**) for fine-grained authorization.
- Spearheaded the development of a modern, responsive UI using **Material-UI (MUI)** and **Next.js**, utilizing **TypeScript** for better type safety and maintainability, resulting in improved user experience and code stability.
- Deployed back-end services on **AWS Elastic Beanstalk** and front-end on **AWS Amplify** with **Nginx** for reverse proxying, increasing reliability by **20%**.
- Implemented an automated CI/CD pipeline using **AWS CodePipeline** and **S3**, reducing deployment time by **40%** with zero downtime updates.
- Optimized caching strategies using **Redis** and fine-tuned database queries, reducing API response time by **50%**.
- **Technologies Used:** Next.js, NestJS, Kafka, MongoDB, Redis, AWS (Elastic Beanstalk, Amplify, CodePipeline, S3), Nginx.

#### Sigitek Pvt. Ltd.

*Associate Developer - Sr. Developer* (FullStack Developer)

April 2022 - Nov 2023

- Revamped AI-driven services, improving efficiency and aligning with business needs.
- Led a team in API optimization, achieving a **60%** reduction in load times through improved indexing and caching strategies.
- Designed and integrated a high-performance **Python-based microservice** for real-time image processing using **Azure Functions** and **Azure Cognitive Services**. The service, deployed in an **Azure-hosted Docker container**, accelerated processing speed by **70%** and seamlessly communicated with the Node.js backend.
- Mentored junior developers, conducted regular code reviews, and organized training sessions, resulting in a **20%** improvement in development speed.
- Deployed backend services on **Azure** and implemented **Docker**-based pipelines, streamlining releases and reducing deployment time.
- Built and deployed frontend applications on **Firebase**, ensuring high performance and security.
- Leveraged **Azure web services, logic apps, function apps, and storage accounts** to create scalable and reliable cloud applications.
- **Technologies Used:** React.js, Node.js, Express.js, Azure, Docker, Firebase, CosmosDB, Python, Azure Functions, Azure Cognitive Services.

### SKILLS

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- **Platforms:** Linux, Windows, Web.
- **Programming:** JavaScript, TypeScript, Bash, HTML, CSS.
- **Frameworks:** ReactJS, NodeJS, ExpressJS, NestJS, NextJS, GraphQL, Socket.io, WebSocket, gRPC, tRPC.
- **Databases & Tools:** MongoDB, CosmosDB, PostgreSQL, SQLite, Redis, Prisma, Studio3T, Git, GitHub.
- **Cloud & DevOps:** Azure, AWS, Docker, Kubernetes, Docker Swarm, Kafka, Nginx, NgRok, Minikube, GitHub Actions, Azure DevOps, Grafana, Prometheus, Loki.

### EDUCATION

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**Lovely Professional University**, Phagwara, Punjab  
Masters of Computer Applications

2019 — 2021  
Overall GPA: 8.10