

# MOHAMMED AASHIK

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## SUMMARY

I'm a Full-Stack Developer, Desktop App Developer and Devops Engineer with 6+ years of experience in building scalable web and mobile applications using modern technologies like ReactJS, NextJS, ElectronJS, NestJS, Django and Flutter. Skilled in MongoDB, Tailwind CSS, and Aws, with a strong focus on performance, user experience, and innovation. Proven track record in leading projects, including dynamic platforms and API-driven solutions. Passionate about solving complex problems and driving impactful results.

## WORK EXPERIENCE

### Software Engineer, Pelican Cube (PVT) LTD - Government Project - Srilankan Railway

Jan 2025 - Present

- Developed and maintained Enterprise web applications
- Optimized applications for maximum speed and scalability.
- Technologies used : NextJS, ReactJS, Flutter, NestJS, ExpressJS, AWS, etc...

### Teaching Assistant, Udemy

Jan 2024 - Mar 2025

- debugging techniques, helping students identify, isolate, and resolve software issues efficiently.
- Streamlined manufacturing processes, reducing production costs by 10%.
- Technologies used : Next.js · React.js · Redux · Prisma ORM · Clerk ,MySQL · TypeScript · Tailwind CSS · E-Commerce etc...

### Associate Full Stack Developer, Rangha Technologies

May 2024 - Dec 2024

- Developed and maintained web applications using React,Next.js,Node.js.
- Optimized applications for maximum speed and scalability.
- Technologies used : NextJS, ReactJs, MongoDB, Typescript,TailwindCss, etc...

### Full Stack Developer, InventuriX Technologies

Mar 2020 - Aug 2024

- Led the design and development of scalable web applications using Next.js, Node.js, and Express.js, ensuring high performance and efficiency.
- Architected cloud-based solutions on Microsoft Azure, enhancing scalability, security, and cost-effectiveness while integrating CI/CD pipelines.
- Technologies used : NextJS, Vercel, Flutter, TypeScript, Tailwind CSS, NodeJS, etc...

### JSM Masterclass Experience

Mar 2023 - Mar 2024

- Mastering Modern Web Development with a Project-Based Approach Building a Full-Stack Enterprise Application

### Mentor at Zero to Full Stack Hero by Sonny Sangha

Mar 2020 - Present

- Used coordination and planning skills to achieve results according to schedule.
- Worked with Mentees to understand needs and provide excellent coaching.
- Exceeded goals through effective task prioritization and great work ethic.

## EDUCATION

### BSc(Hons) Computing Science in Software Engineering (TOPUP)

Jan 2024 - Jan 2025

Kingston University (ESOFT Col 04)

- Major in Software Engineer

May 2020 - Jan 2023

### HND in Software Development

Bucks New University (IDM Nation Campus Col 04)

Jan 2019 - Aug 2019

### Diploma in Information and Communication Technology

Winsys City Campus ( Col 04 )

## SKILLS

**Programming Languages:-** Java, JavaScript, Typescript, Python, Dart

**FrontEnd Tech:-** HTML/CSS, JavaScript, ReactJS, Bootstrap, Framer Motion, Next.js, Tailwind CSS, Material-UI, Webpack, Git & GitHub, TypeScript, Sass/SCSS, styled-components, Three.js, Redis, Plaid, Socket.IO etc...

**Auth :-** Clerk, Lucie Auth, AuthJS, NextAuth, Better Auth, Keyclock

**BackEnd Tech:-** NodeJS, NestJS, ExpressJS, HonoJS

**Desktop:-** ElectronJS

**Mobile:-** React Native, Flutter, Expo, Lynx

**Devops:-** Linux, Shell Scripting, Jenkins, Ansible, GitHub Action, CI/CD Pipeline, Docker, K8s

**ORMs:-** Mongoose, Prisma, Drizzle, Typeorm

**State Management:-** Redux, Zustand, Recoil

**DataBases:-** SQL, MongoDB, MySQL, PostgreSQL, Convex

**Testing Libraries:-** React Testing Library, Vitest

**Development Concept:-** DSA, OOP

**API Architecture:-** Rest APIs, GraphQL

**Internationalization:-** I18n

**Server:-** Vercel, Heroku, Netlify, Azure, AWS, Cloudflare, Openshift Design-tools:- Figma, Canva,

Photoshop, Adobe XD Other Tools:- ChatGPT, AI, Postman, Insomnia

**Payment Gateways:-** Stripe, lemon squeezy

**Languages:** English, Singhala, Tamil.

**Certifications:** Scrimba, Udemy, Papa React, Nas.io, JS Mastry, Not Just Dev, Etc...

## PROJECTS

### 01. Smart Ticketing & Seat Reservation System

**Government Project**

Built a high-performance railway ticketing and train-management platform improving scheduling, seat allocation, and operational reporting across the network.

**Key Points:**

- Train Management: Engine/carriage catalog, drag-and-drop seat formations, route planning, and holiday calendar support
- Reporting: 5+ interactive dashboards (sales, revenue, class-wise, commuter/season, refunds) with CSV/PDF export
- Frontend: React 18.3 + TypeScript, Tailwind CSS, responsive UI for web & tablets
- State Management: Redux Toolkit + Redux Saga for complex async API workflows
- Visuals & Analytics: Chart.js dashboards with filters, date-range selectors, and trend analysis
- Performance: Code splitting, lazy loading, virtualization for large data tables

**Impact:** Enabled real-time railway analytics and streamlined train scheduling, improving decision-making efficiency.

### 02. Backend Development for Tourist Booking App (Nest + Mongoose + MongoDB + Pug)

Developed a comprehensive web application that integrates API functionalities and server-side rendering.

**Key Points**

- Built a scalable RESTful API with advanced features, including filtering, sorting, and pagination.
- Performed CRUD operations using MongoDB and Mongoose.
- Implemented robust authentication and authorization mechanisms, including password reset functionality.
- Ensured application security through encryption, data sanitization, and rate limiting.
- Created server-side rendered web pages using Pug templates for an enhanced user experience.
- Integrated Stripe for seamless credit card payment processing.
- Added interactive features like email notifications and file uploads for better user engagement.
- Deployed the application to production and managed the codebase with Git.