

Alen Aju

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Portfolio : [Portfolio Link](#)

Phone : +971 50 2682198 | UAE Residence Visa Holder

Live Projects: [LMS Mobile App](#) | [Audiobooks App](#) | [Survey Software](#)

Skills

- **Programming Languages:** TypeScript, JavaScript, Java, Python, SQL, HTML, CSS
- **Tools & Frameworks:** ReactJS, React Native, Angular, NextJS, Git, Docker, AWS, Node.js, Express, MongoDB, Jest, Django, Monorepo, CI/CD, Kubernetes, gRPC
- **Libraries:** WebSockets, Zustand, React Query, Prisma, Paho, Pickle, SMOTE, Pandas, Numpy, Bootstrap 4, Ant Design, Liquid Cache, Redis, Grafana, Prometheus, BullMQ

Work Experience

Software Engineer

November 2023 - Present

[Right Intellectual, Dubai](#)

Key Skills: Typescript, React, NodeJs, PostgreSQL, AWS

- Improved LMS app performance: reduced load times by 33% and boosted responsiveness by 17% using React Native (Expo), Zustand, and React Query.
- Built scalable real-time chat: WebSocket system with horizontal scaling, connection pooling, and message queuing, maintaining <100ms latency.
- Integrated Stripe Connect payments: increased paid users by 20% and cut form abandonment by 40% via robust validation and error handling with Zod.
- Rebuilt a survey platform by implementing authentication, payments, dashboards, and 15 dynamic form types using a shared skeleton, improving survey creation and export efficiency by 40%.
- Helped implemented a Text To Speech processing system using BullMQ with Redis-backed queues and worker processes, ensuring non-blocking execution and improving concurrent task handling by 40%.

Fullstack Web Developer

March 2023 - October 2023

[Freelance Contract, Dubai](#)

- Designed and deployed full-stack journal platform with React, Node.js, and MySQL. Optimized relational schema and connection pooling, boosting query performance by 27%. Implemented role-based access and automated content workflows.
- Integrated Stripe payments for one-time and subscription models.
- Set up automated CI/CD on VPS, reducing manual release steps and deployment errors. Configured SSL and monitored stability under high traffic.

Software Developer

September 2022 – March 2023

[MetaMorphoSys Technologies, Pune, India](#)

Key Skills: TypeScript, Angular, ReactJS, HTML, CSS, Jasmine & Karma, GCP

- Developed rules based product creation modules in Angular, accelerating product launch workflows by 47%.
- Optimized data fetching with caching strategies (Liquid Cache), reducing API calls by 30%.
- Implemented UI testing with Jasmine and Karma across 35+ components, improving defect detection.
- Increased user retention by 27% via enhanced SPA form UX, using RxJS for intra component validation.

Frontend Software Engineering Intern

September 2019 - January 2020

[AL Egaby, Sharjah, U.A.E](#)

Key Skills: Javascript, HTML, CSS, Netlify, SEO

- Built a landing page using Vanilla Javascript and 8B which increased organisation engagement by 57% form handles.
- Optimized page for **SEO** like Heading Tags, Image Optimization, Mobile Optimization and Page Load Speed resulting a rank of 13 on the Google Search Console.

Research & Projects

Women's Safety Device Using Activity Classification

January 2021 - April 2022

Source Code : [GitHub Link](#)

Key Skills: Python, Django, Java, Android Studio

- Innovated a device that predicts potential danger for women based on activity classification, using **Logistic regression** and also built a mobile application using **Android studio** which has a tested accuracy of 97%.
- Implemented **Django** backend and leveraged libraries such as **Pickle and Paho-MQTT** to seamlessly transmit sensor data to both mobile application and text message platforms, achieving a flawless **100% success rate** for coordinate delivery.

Education

Rajagiri School of Engineering and Technology, India

August 2018 - July 2022

Bachelor Of Technology. Information Technology

GEMS - Our Own English High School, U.A.E

April 2015 - May 2017

SECONDARY SCHOOL