Hashan Hemachandra

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Experience

Bassline
Senior Software Engineer
Jun '24 — Present

Designing and building an admin platform that venues, hospitality groups and event teams run their operations on, working remotely from Sri Lanka for a New York company. I take every feature from the first Figma frame to production.

Business intelligence platform: Built a platform that renders **40+ charts** and dashboards straight from database configuration, cutting analytics development time by **90%**. Progressive, async chart loading keeps first loads **under 200 ms**, and a diagnostic engine turns data quality issues into specific SQL fixes.

Video meetings: Built meetings into the product on a **self-hosted LiveKit** server, so calls, recordings and transcripts **never leave the client's own servers**. A Node app server and MySQL run scheduling, chat and a waiting room that admits people by withholding their access token until the host lets them in.

Table service: Took a reusable table layout template **from research to release in 5 weeks**: surveyed users, designed the flow, coded it in React and Node, and usability tested it with **7 event managers and 20 crew members**. One named layout now sets up the floor, and every table records its host and **forecast against actual revenue**.

Contact filter: Replaced a SQL-style query builder with a drag-and-drop filter and analytics dashboard, so marketers can segment **12,000+ contacts** in real time without knowing database operators.

Navigation: Rebuilt a fixed icon rail into an **access-aware, collapsible navigation** that widens on hover, pins open and remembers where you are.

Proleadsoft
Software Engineer
Jul '22 — Jun '24

Socialic: Built a social media manager for scheduling, publishing and analysing posts across Facebook, Instagram, TikTok, YouTube and Pinterest, with **OpenAI-powered content suggestions**. Managed multi-account state and uploads with Redux and the Context API.

Franz Termite ERP: Designed the database and **led back-end development and automated testing** for an ERP that scopes and prices jobs for a US termite control company, and kept its test and production servers up to date.

GeoTechHub
Full Stack Developer
Dec '20 — Jul '22

Built a **GIS application for the Bandarawela Municipal Council** at Sabaragamuwa University's GeoTechHub. It draws, edits and saves land parcels while keeping their topology intact, with OpenLayers and Leaflet on the front end and PostgreSQL with PostGIS behind it.

Education

BEng (Hons) Mechatronics Engineering
De Montfort University, Leicester, UK
2018 — 2019

Diploma in Mechanical Engineering
Institute of Technology, University of Moratuwa
2015 — 2018

Skills

Front end: React, Next.js, Remix, TypeScript, JavaScript, Redux, Tailwind CSS, Framer Motion

Back end: Node.js, NestJS, PostgreSQL, MySQL, Prisma, PostGIS, LiveKit, PHP, AWS

Design: Figma, product design, UI/UX design, vector illustration
Practices: Server-side rendering, API design, performance tuning, automated testing

Other

Writing

JStoDev ↗
My blog on React, JavaScript, Node.js and AWS

Credentials

AWS Cloud Quest: Cloud Practitioner
Training badge · 2024

AWS Knowledge: Compute
Training badge · 2024

AWS Knowledge: Cloud Essentials
Training badge · 2024

Projects

hashan.dev ↗
This portfolio, designed in Figma and built with Next.js, React and Tailwind CSS.

ITUM official website ↗
The website of the Institute of Technology, University of Moratuwa, built with PHP, JavaScript and Bootstrap.