

Yousif Abdulkarim

Fullstack Software Engineer — Node & TypeScript & React

I build scalable, modular web applications with Node, TypeScript, and React.

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SKILLS

Backend	Node.js, TypeScript, Express, NestJS, REST APIs, GraphQL, Event Sourcing
Frontend	React, Next.js, Redux, PWA, Webpack 5, Tailwind CSS, TanStack Query, TanStack Start
Databases	PostgreSQL, MongoDB, SQLite
Testing & DevOps	Jest, Vitest, Mocha, Chai, Playwright, Docker, AWS, GitHub Actions, SSH, VPS, Nginx

EXPERIENCE

Founding Backend Platform Engineer

eridu-tech (Open Source)

Aug 2024 — Present

Open-source, framework-agnostic backend toolkit. Designed a modular, composable architecture based on the adapter pattern, enabling seamless integration across Node.js, Bun, and Deno runtimes while serving a community of roughly 600 monthly users.

- Architect and maintain a framework-agnostic backend library ecosystem — 30K+ lines of shipped TypeScript and 100K+ total source lines.
- Built a suite of distributed-systems components: caching, distributed locking, rate limiting, circuit breakers, and an event bus.
- Engineered runtime and database integrations across PostgreSQL, MongoDB, MySQL, SQLite, and Redis.
- Delivered comprehensive unit, integration, and database tests with Docker-based CI/CD, serving ~600 monthly users.

Lead Software Engineer

FillerDepot

Oct 2025 — Present

Led the end-to-end full-stack development of the AMS Portal — a centralized modular monolith automating event registration for aesthetic medicine companies, replacing a high-risk manual email workflow.

- Spearhead end-to-end full-stack development of the AMS Portal — a modular monolith automating event registration for aesthetic medicine companies.
- Digitized booth reservations, marketing assets, and stage appointments, eliminating data loss and booking conflicts.
- Integrated automated invoicing, order tracking, and real-time inventory management for clients and internal teams.

Fullstack Developer

Stride — Shopify Select Partner

Aug 2025 — Oct 2025

Worked within a three-person team at a Shopify Select Partner agency, owning independent features and projects end to end — from Liquid templating to React-based chat widget integrations for client CRMs.

- Worked within a three-person team, taking full ownership of independent tasks and features.
- Developed pagination and contact filtering using the Liquid templating language.
- Engineered a React-based chat widget and integrated it into a customer's CRM.

Fullstack Software Engineer

Greentake

Mar 2024 — Aug 2025

Built a custom e-commerce platform tailored to client requirements, featuring a fully integrated CMS, secure authentication, automated email invoicing, and SEO-optimized, mobile-first design.

- Built a custom e-commerce platform tailored to client requirements, with a fully integrated CMS.
- Implemented secure user authentication and an automated email invoicing system for checkout and payments.
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Drove organic traffic and engagement through responsive, mobile-first design and robust SEO.

Bachelor Thesis

Jan 2024 — Dec 2024

Bionamic AB

Performed a comprehensive performance analysis of WebAssembly versus JavaScript for the Bionamic SaaS platform, benchmarking algorithmic execution to guide optimization strategy.

- Conducted a comprehensive performance analysis comparing WebAssembly and JavaScript to evaluate optimization strategies for the Bionamic SaaS platform.
- Benchmarked algorithmic performance, proving C-compiled WebAssembly ran common algorithms 5–91% faster than JavaScript.
- Demonstrated that AssemblyScript provided conditional performance gains depending on the use case.

Degree Project

Sep 2023 — Jan 2024

Bionamic AB

Led a five-person team in building a REST API client and SDK for Bionamic's antibody research SaaS platform, guiding technical strategy and mentoring on event-sourcing architecture.

- Directed a five-person team building a REST API client and SDK for Bionamic, a SaaS platform driving antibody research.
- Guided technical strategy and stack selection, bridging the team's Java background with JavaScript/TypeScript expertise.
- Mentored the team on event-sourcing architecture to ensure successful implementation.

PROJECTS

eridu-tech

2024 — Present

Adapter-first backend toolkit for TypeScript — a framework-agnostic ecosystem of composable components covering caching, distributed locking, rate limiting, circuit breakers, and an event bus. 30K+ lines of shipped, production TypeScript code.

- Adapter-pattern architecture that integrates across Node.js, Bun, and Deno.
- Composable distributed-systems components: caching, distributed locking, rate limiting, circuit breakers, and an event bus.
- Runtime and database integrations across PostgreSQL, MongoDB, MySQL, SQLite, and Redis.
- 4,640+ integration and behavior tests with Docker-based CI/CD.
- Serves roughly 600 monthly users across production deployments.

TypeScript Node.js PostgreSQL MongoDB Redis Docker

Outstanding Resumes

2022 — Present

A modular resume-building platform engineered for 'majestic monoliths' — adapter & service patterns, Google OAuth, and optimistic UI updates with tRPC and React Query.

- Modular 'majestic monolith' architecture using adapter and service patterns.
- Seamless registration via Google OAuth.
- Optimistic UI updates powered by tRPC and React Query.
- Designed for long-lived, sustainable codebases over distributed complexity.

Next.js tRPC React Query MongoDB Mantine UI

The Primitive Language

2023

A custom programming language built from scratch with a TypeScript-based interpreter and a recursive descent parser.

- Custom programming language with a TypeScript-based interpreter.
- Recursive descent parser built from scratch.
- Hands-on exploration of compiler and parsing fundamentals.

TypeScript Compilers Parsing

CERTIFICATES

AWS Certified Developer – Associate Amazon Web Services	2024
Meta Front-End Developer Meta · Coursera	2024
Node.js, Express, MongoDB & More: The Complete Bootcamp Udemy	2023
GraphQL with React: The Complete Developers Guide Udemy	2023
PostgreSQL Bootcamp Udemy	2022
The Complete JavaScript Course: From Zero to Expert Udemy	2022