

Zlaam

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Senior Full Stack Developer

Full Stack Developer with 4.5 years of experience, specializing in the JavaScript/TypeScript ecosystem. Proficient in building scalable web apps using Node.js, Express, React, and Next.js with full type safety. Strong backend skills in RESTful API design, databases, and microservices using TypeScript and Golang. Experience with DevOps tools like Docker, and CI/CD pipelines on Linux. Passionate about clean code, open source, and delivering performant full-stack solutions.

Core Technologies Overview

Languages

- TypeScript (Primary) – Full-stack applications, backend APIs, tooling, scripting.
 - JavaScript – Legacy browser and server-side codebases.
 - Go (Collaborative Projects) – CLI tools, web APIs using Gin framework.
 - Python – Django, Flask (fluent but not preferred in active work).
 - PHP – Basic exposure to WordPress and Laravel-based projects.
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Frontend Technologies

- React.js – Experience with building scalable dashboards and business interfaces.
- Next.js – Used extensively for SSR, ISR, edge functions, and API routes.
- Svelte / SvelteKit – Built fast, reactive UIs in smaller projects and prototypes.
- Astro – Primary choice for content-heavy and marketing-oriented websites.
- Remix – Familiar with loader/actions model, not frequently used in production.
- React Native – My go-to framework for mobile application development

State Management

- Zustand – Lightweight global state, frequently used in React and Svelte projects.
- Redux Toolkit – Used in complex UIs requiring centralized state logic.
- TanStack Query – Preferred tool for caching and synchronizing server state.

Styling

- TailwindCSS – Utility-first styling across all modern frontend projects.
 - ShadCN – Used in React-based design systems.
 - ChakraUI – Used in a few dashboard projects.
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Backend Technologies

- Node.js (NestJS, Express) – Developed scalable APIs, authentication systems, and admin panels.
- Bun.js – Utilized in production for lightweight APIs and improved performance.
- PostgreSQL – Primary relational database; experience with schema design and multi-tenant setups.
- Redis – Caching, pub/sub, rate-limiting, and session storage.
- MongoDB – Used in smaller freelance and startup projects.
- MySQL – Used in legacy support or read-heavy reporting systems.

ORMs & Query Tools

- Prisma – Main ORM across most TypeScript projects.
 - Drizzle – Also main ORM but mostly used in performance-critical projects.
 - TypeORM – Familiar from earlier TypeScript work.
 - Mongoose – Basic use in Node.js + MongoDB stacks.
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DevOps & Infrastructure

- Docker – Used for local development, CI builds, and containerizing microservices.

- GitHub Actions – CI/CD pipelines for tests, linting, builds, and deployment.
 - Nginx – Reverse proxy setup for production environments.
 - AWS – EC2, S3 for file storage, and general infrastructure needs.
 - Coolify – Used for PaaS-style deployments on personal and client servers.
 - Linux Server Administration – Daily use, including system setup, process management, and hardening.
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Professional Experience

Senior Software Developer

Aldbrook Mortgage (UK - Remote) Jan 2025 – Jul 2025

Project: Web-Based VS Code IDE for Developers Tech Stack: Docker, code-server, RBAC, GitLab CI, JWT

- Designed a secure, browser-based development environment using code-server containers.
 - Customized Docker images with support for 15+ languages, including Go, Python, and TypeScript.
 - Implemented role-based access control with JWT claims and fine-grained permissions.
 - Enabled ephemeral, auto-cleaning dev containers for short-lived testing environments.
 - Integrated GitLab CI for seamless deployment of feature branches into isolated dev spaces.
 - Hardened dev environment isolation using Linux namespaces and container firewalls.
 - Reduced average developer setup time by over 60% via pre-configured container templates.
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Lead Software Developer

Logics LLC Jun 2023 – Dec 2024

Project: Multi-School Management Platform Tech Stack: Bun.js, PostgreSQL, Redis, WebSockets

- Built a multi-tenant school management system serving 50+ educational institutions.
- Architected row-level security with PostgreSQL to ensure complete tenant isolation.
- Leveraged Bun.js for improved cold-start performance and high concurrency APIs.
- Developed WebSocket-based real-time attendance and event broadcast system.
- Used Redis for pub/sub, caching, and managing real-time updates.
- Generated automated student reports using PDFKit.

Project: Healthcare ERP System Tech Stack: NestJS, PostgreSQL, Redis

- Designed modules for medical inventory tracking and vendor order automation.
- Integrated barcode scanning for warehouse management.
- Automated reorder workflows based on supply thresholds.
- Improved operational efficiency by automating previously manual reporting tasks.

Project: Freelance Platform Backend Tech Stack: Node.js (TypeScript), PostgreSQL, Stripe Connect

- Designed a backend architecture supporting multi-party transactions with Stripe.
 - Built full-featured modules: authentication, job listing, bidding, escrow handling.
 - Optimized key queries to reduce latency from 1200ms to 280ms.
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Freelance Projects (2021–2023)

E-Commerce Platform Next.js, Node.js, PostgreSQL

- Developed a scalable storefront for over 10,000 products using Incremental Static Regeneration.
- Achieved 98 Lighthouse score through image optimization and dynamic loading.
- Reduced cart abandonment by 35% by refining the checkout flow.

Corporate Marketing Sites Astro, TailwindCSS, Sanity.io

- Created 12+ sites optimized for SEO and load performance using Astro.
- Integrated Sanity.io CMS for non-technical content management.
- Ensured all properties maintained 90+ PageSpeed scores consistently.

VS Code Theme Extension VS Code Extension API, Webview

- Built a VS Code theme with live preview using the Webview API.

- Published to OpenVSX registry, currently at 60+ downloads.
 - Maintained compatibility across editor updates and theming guidelines.
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Open Source & Side Projects

- Contributed a merged PR to Wails, a Go-based desktop app framework.
 - Built a Linux CLI tool that converts any website into a native desktop app.
 - Developed a terminal-based Snake game in Python using curses.
 - Created a full-featured Neovim configuration based on LazyVim, tailored for development workflows.
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Hobbies

Outside of work, I enjoy playing chess and watching cricket. Both games sharpen my strategic thinking and patience, which I often apply in problem-solving as a developer. I also like exploring tech communities, contributing to open source, and occasionally diving into anime for relaxation.

Mentorship & Team Contributions

- Actively mentored junior developers in code reviews, guiding them towards clean, maintainable, and type-safe code.
 - Introduced modern development practices, including CI/CD pipelines, Git branching strategies, and test-driven development.
 - Conducted technical knowledge-sharing sessions on TypeScript best practices, database optimization, and scalable architecture design.
 - Provided one-on-one support for onboarding new hires into complex codebases.
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Languages

- English – Professional working proficiency (technical documentation, client meetings)
- Urdu – Native fluency (spoken and written)