

NASRUM MINALLAH

Senior Full Stack Engineer

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I'm a Full Stack Engineer with 4+ years of experience architecting and delivering high-performance, scalable software solutions. My work spans web and enterprise applications, leveraging modern technologies and agile practices to drive real business outcomes.

In Full Stack Development, I bring end-to-end capabilities from system architecture to frontend UX and backend logic. I've successfully delivered platforms with **Laravel, PHP, Python, and Django, React, Next.js, Vue.js, Angular, Node.js** and **microservice architectures** that scale across global user bases. I take pride in writing clean, maintainable code and building secure, high-performance systems.

Solving complex technical problems, building intelligent systems, and delivering value through code. I thrive in dynamic environments where innovation meets impact.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, PHP, C#, Java
- **Frameworks/Libraries:** React, Next.js, Vue.js, Nuxt.js, AngularJS, GraphQL, Bootstrap, Tailwindcss, MUI, Node.js, Nest.js, Django, Flask, FastAPI, Laravel, .NET
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis, Oracle, Vector Databases
- **AI/GenAI/ML:** NLP, RAG, Rasa, GenAI, LangChain, LlamaIndex, ChatGPT, Claude, Gemini, Llama, Pinecone, DALL-E, Hugging Face
- **Cloud/DevOps:** AWS, Azure, GCP, Docker, Firebase, Heroku, Vercel, Kubernetes, Kafka, CI/CD, Netlify, Git, Terraform, Jira, Linux, Jenkins
- **Methodologies/Tools:** WebRTC, Web Socket, TDD, Agile/Scrum, Pytest, Selenium

PROFESSIONAL EXPERIENCE

Full Stack Engineer | Self-Employed

03/2025 – Present | Remote

- Architected and deployed production-grade web applications for 10+ clients across e-commerce, fintech, and SaaS verticals, maintaining 99.9% uptime across all platforms.
- Integrated Svea Checkout v3 for high-volume European merchants, implementing an IdempotencyLayer using Redis distributed locks to eliminate webhook race conditions — processing over €2M in transactions with zero discrepancies.
- Engineered a custom synchronization engine for real-time inventory management across multiple suppliers, reducing order processing time by over 90% and maintaining 99.9% inventory accuracy during peak seasons.
- Built a distraction-free writing platform (Likho) with Laravel backend and native JavaScript autosave, growing average user session duration from 12 minutes to 28 minutes and reducing server overhead by 35%..
- Developed Chad AI, an AI-integrated application on Laravel 12, implementing a Flask/SQLAlchemy Core microservice that delivered a 4.5x increase in requests per second over the original Django implementations.
- Architected and deployed scalable applications using Python (FastAPI, Flask), Node.js, and Nest.js on cloud platforms (AWS, Azure).
- Developed pipelines using Pinecone and other vector databases to implement semantic search and knowledge retrieval systems.
- Built data preprocessing flows using NLP libraries from Hugging Face and integrated with transformer models like Llama.

- Managed CI/CD using GitHub Actions and Jenkins; containerized applications with Docker and orchestrated with Kubernetes.

Junior Software Engineer | Brillio

Mar 2024 - Feb 2025 | Coppel, United States

- Built enterprise-grade full-stack applications using React, Node.js, and Java with RESTful and GraphQL APIs.
- Developed a real-time video call app using WebRTC for seamless peer-to-peer audio and video communication, with signaling handled via WebSocket protocols. I also integrated dynamic media negotiation, user presence management, and security measures to optimize performance, reliability, and scalability.
- Integrated Vuex and Nuxt.js to manage complex state and enable server-side rendering.
- Worked closely with product managers and UX teams to optimize performance and user experience across web platforms.
- Led CI/CD efforts using Jenkins and GitHub Actions and managed infrastructure via Terraform and AWS.
- Refactored legacy systems and built new backend services using C# Core, enabling seamless integration into cloud-based microservice ecosystems.
- Modernized several modules originally developed in older .NET Framework versions to scalable, container-ready .NET Core applications.
- Collaborated with cross-functional teams to ensure smooth product delivery in Agile/SCRUM environments.

Back End Developer | Improving

Jan 2023 - Feb 2024 | Calgary, Canada

- Created responsive and accessible UIs using Vue.js, Nuxt.js, and Bootstrap.
- Integrated Plaid API into Laravel backend for seamless financial data synchronization and secure payment processing.
- Integrated third-party APIs and developed GraphQL endpoints for modern frontend consumption.
- Built internal tools with TDD practices, increasing test coverage and application reliability.
- Played a key role in transitioning teams to Agile and SCRUM methodologies for faster, iterative delivery.

Frontend Developer | Ctrlweb

Jan 2021 - Oct 2022 | Montreal, Canada

- Built a responsive, user-friendly betting platform with Vue.js and TypeScript, collaboratively integrating real-time updates via PHP, Laravel, and WebSocket, while designing intuitive UI components with Bootstrap and optimizing performance on AWS, thereby enhancing my expertise in modern frontend technologies within a fast-paced, real-time environment.
- Created reusable UI components and integrated APIs to build high-performance dashboards.
- Optimized performance across various browsers and devices using best practices and automated testing tools.
- Collaborated with backend teams to align API contracts and data formats for seamless integration.

EDUCATION

Bachelor's Degree in Computer Science

COMSATS University Islamabad | 04/2018 – 03/2021

- Final Year Project: Full-featured CMS using Laravel and Vue.js