Jason Bhatti

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Full Stack Software Engineer

Dynamic and results-oriented Full Stack Software Engineer with extensive experience in optimizing software performance, employing TDD frameworks, and scaling applications to meet business needs. Demonstrated ability to lead engineering teams, improve development workflows, and deliver high-impact solutions. Thrives in Agile environments, leveraging strong technical acumen, strategic thinking, and effective communication to drive project success.

Languages: HTML, CSS, JavaScript, TypeScript, Python, Go
Libraries: jQuery, Underscore.js, Lodash, React.js, Material UI, Apollo, Axios
Frameworks: Express.js, Vue.js, Next.js, Nest.js, React Native, Storybook.js, Tailwind CSS, Bootstrap, Jest
State Management: Hooks & ContextAPI, Redux, Tan Stack Query(react-query)
APIs: REST API, SOAP API, GraphQL
Databases & ORMs: MySQL, PostgreSQL, Sequelize, MongoDB, Mongoose, DGaph, DynamoDB, Dynamoose
DevOps & Tools: Git, GitHub, Jira, Figma, OAuth, Auth0, NGINX, Babel, Webpack, Docker, Vercel, CI/CD, AWS
AI & LLMs: Experience with LLM frameworks and orchestration tools including OpenAI, Anthropic, AWS Bedrock, CrewAI, 8n8, LangChain, LangGraph, and Langflow

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Professional Software Experience

Full Stack Software Engineer, Metapause, Inc.   3/2025 - Present
Vue.js | Node.js | TypeScript | Postgres | Docker | AWS | DigitalOcean | Shopify | AI | AWS Bedrock
- Enhanced the AI architecture by combining agentic RAG (Retrieval-Augmented Generation) with Cache-Augmented Generation (CAG), enabling persistent memory, improved contextual relevance, and faster response times across user-specific workflows.
- Built and deployed specialized AI agents using CrewAI and 8n8 to automate tasks such as medical literature analysis, content marketing generator, and document ingestion—expanding and deepening ELSA AI's personalized knowledge base.
- Developed a custom Shopify integration to support AI-curated and user-submitted product catalogs.
- Led Postgres schema refactors, including data normalization and production-grade migrations.
- Containerized services with Docker and managed deployments to AWS and DigitalOcean.
- Worked cross-functionally with frontend, backend, and AI teams on women's health platform.

Full Stack Software Engineer, Alphana, Inc.   11/2024 - 4/2025
NextJS | NestJS | DynamoDB | Postgres | Hooks | Python | TypeScript | OpenAI | AWS | Golang | AI
- Developed a CrewAI-based multi-agent system to analyze user content libraries, enabling intelligent classification and indexing for improved LLM-driven retrieval and reuse.
- Supported LLM training and fine-tuning efforts by curating prompt-response datasets and refining generation parameters to improve output accuracy and brand alignment.
- Implemented **Jest** test suites to front-end and back-end codebases for 100% test coverage.
- Designed and deployed a scalable webhook system, enabling seamless third-party integrations by leveraging technologies like **NestJS, TypeScript**, **Python** and **AWS services**, resulting in improved efficiency and client satisfaction.
- Refactored lambdas to **Go** to ensure faster execution times, cold starts and optimized concurrency.

Education
Full Stack Software Engineer Certificate - Hack Reactor, Software Engineering Immersive, (Remote)
Bachelor of Science, Mechanical Engineering, State University of New York, Buffalo, NY

Professional Software Experience Cont.

Lead Software Engineer, CyberRisk Alliance, LLC   6/2022 - 7/2023
NextJS | TypeScript | Hooks | GraphQL | StorybookJS | Auth0 | AWS | ReactBootstrap | WordPress | PHP
- Led a team of 12 engineers in the maintenance and enhancement of 14 headless **WordPress** sites, improving site performance and scalability by 30%.
- Developed and launched web applications using **Next.js**, **TypeScript**, and **Storybook.js**, reducing development time by 25% through component reusability.
- Implemented an integrated Help Desk system with Monday.com, YouTrack, and Microsoft Outlook, increasing issue resolution efficiency by 40%.
- Collaborated with senior leadership to deliver technology, design, and content strategies, resulting in a 20% increase in user engagement and a 15% boost in site traffic.

Co-Founder, Product & Software Engineer, Charla Technologies, Inc.   7/2021 - 12/2022
NextJS | Hooks | Apollo GraphQL | DGraph | OAuth2.0 | AWS | Tailwind CSS | Slack API | Golang
- Spearheaded the development of a custom analytics SaaS platform, integrating social media data from multiple sources, which resulted in a 50% increase in data processing speed.
- Designed and optimized back-end **GraphQL** schemas, improving data retrieval times for thousands of users and millions of messages by 35%.
- Transitioned the back-end codebase from **JavaScript** to **TypeScript**, enhancing code maintainability and reducing runtime errors by 20%.
- Played a key role in the setup and deployment of **CI/CD** pipelines on **AWS**, ensuring 99.9% uptime for production environments.

Education
Full Stack Software Engineer - Hack Reactor, Software Engineering Immersive, Remote
Bachelor of Science, Mechanical Engineering, State University of New York, Buffalo, NY
Associate of Science, Engineering Science, Erie Community College
Associate of Science, Math, Erie Community College