# Jamal Hamilton – Senior Full Stack Developer / Engineer

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## Summary

Versatile, AI-enabled full-stack developer with deep experience in scalable databases (SQL Server, MongoDB, PostgreSQL, MySQL, Big Data), web and mobile app development, and multimodal AI integrations.

Expertise spans front-end frameworks (React, Angular, Vue), back-end stacks (.NET, Node, Go, Java), and cloud-native architecture across Azure, AWS, and GCP.

Skilled in building REST/GraphQL APIs, cloud automation with Terraform, container orchestration with Docker, Kubernetes, and GPT/LLM-based solutions to enhance productivity and user experience.

## Technical Skills

• Front-End: JS, TS, React, Angular, Vue, Next, Blazor, Bootstrap, jQuery
• Back-End: Node, Express, .NET, C#, Go, Java, Python, PHP, Ruby
• Mobile: React Native, Kotlin, Swift
• Databases: SQL Server, MongoDB, PostgreSQL, MySQL, Big Data
• Cloud: AWS (S3, Lambda, EC2), Azure (Cosmos DB, DevOps, Functions), GCP (GKE, Cloud Run, SQL)
• DevOps: Docker, Kubernetes, GitHub Actions, Jenkins, Terraform
• Messaging: RabbitMQ, Kafka, Redis
• CMS: WordPress, Shopify, Wix
• AI/ML: Gen AI, GPT-4o, OpenAI APIs, HuggingFace, PyTorch, TensorFlow, FastAPI
• Testing: Cypress, Selenium, Jest, Jasmine, Junit

## Professional Experience

**TORC Robotics – Remote | Senior Full Stack Engineer**Jan 2025 – Jun 2025

* • Built real-time analytics dashboards using Vue.js and Go for autonomous systems
* • Designed and deployed GPT-based chatbots, reducing support response time by 60%
* • Integrated OpenAI & Anthropic APIs to enhance internal documentation and workflow
* • Created a multimodal GPT-4o assistant processing voice, image, and document input
* • Developed scalable .NET and Blazor applications with CI/CD via Azure DevOps
* • Migrated legacy systems into headless CMS (WordPress + React + GraphQL)
* • Implemented infrastructure-as-code using Terraform for repeatable deployments
* • Optimized SQL stored procedures and automated ETL processes using Golang
* • Developed microservices using Node.js for data processing
* • Created an AI-powered developer assistant that generates documentation from source code
* • Refactored Blazor WebAssembly UI to improve load speed and client-side rendering
* • Set up a monitoring dashboard using Prometheus and Grafana to track system performance

**Clayton Homes – Remote | Software Engineer**Aug 2024 – Jan 2025

* • Architected event-driven .NET microservices with RabbitMQ and AWS EventBridge
* • Implemented GenAI-driven accessibility tools using multimodal AI (voice + vision)
* • Applied clean architecture and TDD practices to boost maintainability and test
* • Developed AI workflows for automating internal document classification using LLMs
* • Built server-side image classification pipelines using Hugging Face + FastAPI
* • Managed CI/CD lifecycle through Azure DevOps and GitHub Actions
* • Optimized transactional queries in PostgreSQL and MS SQL
* • Integrated microservices with shared event bus using Redis for real-time updates
* • Modernized legacy components to .NET 8 and improved dependency injection

**SnowBird Agility – Remote | Senior Full Stack Engineer**Aug 2023 – Sep 2024

* • Developed Angular 18 apps with JWT/OAuth2, SignalR, and NgRx state management
* • Integrated OpenAI models for dynamic content creation and automated testing
* • Built serverless APIs with Node.js, AWS Lambda, and Azure Functions
* • Designed Kafka-based pipelines to process millions of records daily
* • Built a code generation tool using GPT-4 to create boilerplate code from user stories
* • Improved database indexing strategies, reducing query time by 40%
* • Created CLI tools using Go for automated deployments and test scaffolding
* • Led migration from Vue 2 to Vue 3, improving maintainability and performance
* • Enhanced logging and monitoring with custom middlewares and Azure Monitor

**Know Ink – Remote | Senior Full Stack Engineer**Jan 2023 – Jul 2024

* • Engineered full-stack apps using React, .NET Core, Golang, and Django
* • Built mobile features in React Native using GPS, camera, and push notification
* • Created REST/GraphQL APIs and payment systems with Stripe and Twilio
* • Integrated image-to-text models using OpenAI’s Vision API for mobile accessibility
* • Refactored legacy Django services for modular architecture and scalability
* • Built MongoDB aggregation pipelines for complex reporting features
* • Added background job processing using Hangfire and Celery
* • Implemented feature toggles for safe deployment using LaunchDarkly
* • Scaled containerized environments using Kubernetes with horizontal pod autoscaling

**Encova Insurance – Hybrid | Full Stack Engineer**Sep 2019 – Jan 2023

* • Deployed serverless systems in Azure using C# and Python Functions
* • Built Golang microservices and containerized apps using Kubernetes on GCP
* • Implemented SSR Vue.js apps using Nuxt and optimized performance with Webpack
* • Used PyTorch for classification models on insurance claim documents
* • Created full-featured GCP CI/CD pipelines for PHP and Spring Boot services
* • Designed custom Terraform modules for Azure SQL and App Service
* • Developed middleware components to enforce security compliance across microservices
* • Worked with GraphQL federation across distributed services
* • Built cross-team documentation tools powered by LLM summarization

**SolTech – Hybrid | Software Developer II**Jun 2015 – Jan 2019 – Atlanta, GA

* • Delivered Angular and Vue apps in Agile environments
* • Developed cloud-native Java Spring Boot services and secured APIs with OAuth & Firebase
* • Managed CI/CD for .NET and PHP apps using Azure DevOps and Kubernetes
* • Conducted peer mentoring and knowledge-sharing on TDD and GitOps workflows
* • Upgraded React Native codebase and implemented secure authentication via OAuth2
* • Migrated business reporting tools to Blazor + Power BI + SQL Server backend
* • Refactored PHP monolith to microservices using Laravel and Docker
* • Developed RESTful APIs for GCP-based apps using Node.js and Express
* • Tuned backend performance by optimizing ORM queries and database indexes

**Surfside Web – Onsite | Software Developer**Aug 2012 – May 2015 – Surfside Beach, SC

* • Created SPAs using AngularJS with two-way data binding
* • Designed modern UI templates and enhanced user experience with custom JavaScript
* • Redesigned e-commerce flows and implemented event tracking/testing
* • Built MySQL-backed CMS for blog and inventory management
* • Created modular JavaScript functions to improve site reusability and reduce errors
* • Maintained legacy Java and PHP components and transitioned to new REST endpoints
* • Improved search functionality using indexed queries and full-text search
* • Collaborated in mobile-first redesign and accessibility improvements
* • Wrote automated unit tests using Mocha and Chai

## Education

Bottega University – Full Stack Development Certification (2012 – 2013)

Loris High School