

MASOM HAMADEH

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Full-Stack Software Engineer with professional experience building RESTful APIs, backend systems, and modern web applications using TypeScript, Node.js, and React. Recently stepped into a technical lead role, with a background in translating business requirements into technical plans, collaborating across teams, and shipping production features end-to-end. Strong fundamentals in software engineering principles and committed to spec-driven development with AI as a copilot, not an autopilot.

EXPERIENCE

Senior Software Engineer — Converse (Nike)

May 2025 - Present (Atlanta - Remote)

- Recently transitioned into a technical lead role for a team of 4 engineers, contributing to sprint planning, backlog refinement, and code reviews while continuing to be a hands-on contributor
- Led the development and maintenance of the DDS component library, contributing to over 30 components across creation, code review, and integration into production product lines, with all components documented and previewed in Storybook
- Translate functional specifications into detailed technical specification documents, defining implementation approaches, data models, and API contracts for feature development across product lines
- Contribute to customer-facing e-commerce features using React, TypeScript, and Salesforce Commerce Cloud (PWA Kit) across multiple product lines
- Help enforce coding standards across the codebase, applying software engineering fundamentals (DRY, KISS, YAGNI) to reduce duplication and improve maintainability
- Author content schemas and manage structured content delivery using Amplience CMS across customer-facing product lines
- Integrate and extend RESTful APIs and third-party services to support commerce workflows, payment processing, and inventory management
- Support CI/CD pipelines using GitHub Actions and Jenkins, including automated release workflows, ESLint and Prettier enforcement via Husky hooks, and code quality gates through SonarQube

Freelance Software Engineer — MHDesigns

February 2022 - May 2025 (Remote/Part-Time)

- Designed and developed full-stack applications using TypeScript, React, and Next.js (API routes), integrated with Supabase and Appwrite as BaaS solutions, and styled with Tailwind CSS
- Adopted Bun as the primary runtime and test runner on personal projects, using bun:test for fast, dependency-free test execution
- Managed sprint planning via Jira and maintained clear project documentation with Confluence to ensure smooth, asynchronous execution
- Reduced technical debt for two early-stage companies by implementing structured Agile workflows and modularizing legacy (pre-ES6) codebases
- Refactored API integrations for a CPaaS platform, improving average response time through database indexing and endpoint optimization

Software Engineer I — Uber Technologies

October 2020 - February 2022 (Atlanta - Remote)

- Retained through Uber's acquisition of Routematch, supporting technical integration across teams serving transit agencies nationwide
- Contributed to the migration of 3 legacy monolithic systems to service-oriented architectures using Node.js and JavaScript, improving system maintainability and reducing deployment time
- Developed RESTful APIs and internal tools using Node.js and modern JavaScript (ES6+) to support transit routing and scheduling features
- Maintained and enhanced web applications using Angular and Vue, supporting phased framework migration

- Increased unit and API test coverage by 15% using Mocha, Chai, and Postman, strengthening continuous integration reliability and reducing production defects
- Participated in on-call incident response, resolving critical production issues under tight SLAs for 24/7 transit operations

Software Engineer — Routematch (Acquired by Uber Technologies)

October 2018 - October 2020 (Atlanta - Remote)

- Developed and maintained RESTful APIs using Node.js and Express, modernizing legacy system integrations and supporting key transit platform features
- Maintained production web apps built in Vue and contributed to legacy AngularJS repositories during phased migrations
- Wrote and maintained PostgreSQL queries and stored procedures to support internal reporting tools and feature-specific data workflows
- Contributed to a microservices architecture with independently deployed services maintained across separate repositories and containerized using Docker

Associate Software Engineer — Connecture/DRX

October 2012 - February 2017 (Milwaukee - Remote)

- Began professional software engineering career supporting the development of healthcare-related web applications for insurance enrollment and benefits management

EDUCATION

Master of Science (M.S.) in Software Engineering

In Progress (Expected: December 2027)

Kennesaw State University — Kennesaw, GA

Relevant coursework: Software Architecture, Design Patterns, Software Project Management, Cloud Computing, Web Service Engineering

Master of Science (M.S.) in Management Information Systems

Graduated May 2024 | GPA: 4.0

Kennesaw State University — Kennesaw, GA

Relevant coursework: Database Application Design, Advanced IT Project Management, Business Intelligence / Big Data

Earned a Graduate Certificate in Information Security and Assurance as part of the M.S. program

Bachelor of Science (B.S.) in Computer Science

Graduated May 2010

Kennesaw State University — Kennesaw, GA

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, SQL, Python, Lua
- **Runtimes:** Node.js, Bun
- **Frameworks & Libraries:** React, Next.js, Express, Vue
- **CMS:** Amplience (content modeling, schema authoring)
- **Testing:** Vitest, bun:test, Jest, Mocha, Chai
- **Databases & BaaS:** PostgreSQL, Supabase, Appwrite
- **API Development:** RESTful API design and integration
- **Technical Documentation:** Functional and technical specification writing, API contract definitions, implementation planning
- **AI-Assisted Development:** Cursor, GitHub Copilot, Claude (spec-driven development with AI as copilot, not autopilot, maintaining engineering fundamentals and human oversight throughout the development lifecycle)
- **Tools & Environments:** VS Code, Git, Docker, Postman
- **Project Management:** Jira, Confluence, Agile/Scrum methodologies