

# Morteza Omar Mohammadi

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Available for remote roles worldwide with flexible hours across time zones

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## Career Summary:

- A problem-solving Full Stack Software Engineer with 5+ years of hands-on experience designing and building scalable web and mobile applications in Ecommerce, Web3, and startup environments, holding a Bachelor's in Computer Science.
- Played a key role as the technical lead in startup transformations—architected high-throughput, microservices-based systems handling real-world loads like \$1M in transactions and 8,000+ users, using cloud-native tools on AWS and Google Cloud.
- As an open-source contributor on GitHub, I've built and shared projects in web/mobile landscapes using JavaScript, TypeScript, Flutter, Go and other popular languages and frameworks for frontend and backend.
- Eager to explore Web3 technologies through projects like a multichain NFT trading platform; actively contributing to open-source Next.js initiatives for modern web apps; currently learning Golang for optimized services; earned runner-up in an online contest for Ecommerce platform backend.

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## Skills:

- **Soft Skills & Leadership:** Active listening, problem-solving skills, technical mentoring, cross-functional collaboration (e.g., with marketing/product teams), agile/Scrum, leading remote teams, business-driven decision-making, project management skills, organizational skills, attention to detail, excellent verbal communication.
- **Languages & Frameworks:** Programming languages included JavaScript, TypeScript, React.js, Next.js, Vue.js, Node.js, Flutter (for cross-platform apps), Nest.js, Go (basics).
- **Architecture & Design:** Web architecture, Design Patterns, Microservices, Event-Driven Design, SOLID Principles, OOP, CQRS, Test-Driven Development (TDD).
- **Databases & Storage:** MongoDB, PostgreSQL, MySQL, Redis, KeyDB.
- **DevOps & Cloud:** AWS, Azure, Cloudflare, Docker, CI/CD (GitHub Actions, Bitbucket Pipelines), HA deployment strategies, observability (Grafana, ClickHouse, Sentry).
- **Tools & Integrations:** REST APIs, WebSockets, GraphQL, tRPC, RabbitMQ, Nginx, Elasticsearch, K6 (load testing), GitLab/GitHub.

- **Specialties:** Software scalability, reliability, performance, Web3/blockchain integrations, Ecommerce platforms, startup system building from concept to launch.
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## Professional Experience:

Bilit Entertainments, Remote

*Lead Developer*

02/2024–Present

As the sole technical architect for a startup ticketing platform, I led the full system build from scratch—translating business needs into scalable solutions while collaborating with marketing and product teams. Focused on high-impact initiatives like secure payments and real-time analytics, driving rapid growth and proving leadership in high-stakes environments.

- Architected and developed a high-throughput ticketing system that processed nearly \$1M across 20+ events with 8,000+ users in 3 months, ensuring zero downtime during peaks (Vue.js, Node.js, Express, MongoDB, AWS).
- Led a small cross-functional team to launch a cross-platform mobile app, reducing development time by 40% through Flutter and automated CI/CD pipelines (Flutter, Docker, GitHub Actions).
- Designed secure, multi-currency payment gateways with Stripe integrations, cutting fraud risks by 25% and boosting revenue through efficient transaction handling (Task Queues, BullMQ, Redis).
- Instrumented observability with monitoring and alerting, increasing system reliability by 80% and enabling issue resolution (Sentry, Logging).
- Mentored junior engineers on JavaScript and TypeScript best practices, fostering an autonomous team.

Cynoco.co.uk, Remote

*Web & Mobile Developer*

06/2021–Present

Technically led web and mobile projects, bridging business needs with tech roadmaps; refactored for scalability and turned ideas into high-performing products.

- Led the team in designing robust web/mobile solutions and collaborating with product owners to define strategies, ensuring business alignment and feature enhancements.
- Managed full mobile app lifecycle from concept to App Store/Google Play deployment using Flutter; utilized stack including Vue.js, Laravel, REST APIs, and database integrations (PHP, MySQL) for scalable, high-quality builds.
- Contributed to Ecommerce features by refactoring APIs and adding Web3 integrations, boosting reliability and user interactions.
- Applied test-driven development and CI/CD practices to streamline releases, reducing bugs and speeding delivery in remote teams (GitHub).

Webfume LLC, Remote

*Application Developer*

04/2022–10/2024

Engineered full-stack applications for clients in Ecommerce and Web3, focusing on web design, performance and scalability. Proven technical vision by optimizing systems and contributing to team processes, building a strong foundation for leadership roles.

- Developed full-stack performant and scalable apps for in-house and client needs.
- Developed responsive front-ends with Next.js, React.js, and Vue.js, paired with scalable Node.js/TypeScript back-ends; built cross-platform iOS/Android mobile apps using Flutter for consistent UX and easy maintenance.
- Integrated databases and caching for reliable data management in high-volume scenarios (MongoDB, Redis).
- Implemented design patterns and microservices with Web3 blockchain features for secure integrations (GraphQL, Docker).
- Worked in agile teams to optimize workflows via CI/CD tools (Bitbucket Pipelines, GitHub Actions, AWS), demonstrating organizational and project management skills in client oversight with a focus on web architecture for robust website/web applications.

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## Education:

Bachelor's Degree in Computer Science (Major in Software Engineering), 2023

Herat University, Afghanistan

- Academic Achievement: 3.2/4.0 GPA; Completed university-sponsored short courses and seminars in Mobile and Web Development, enhancing practical skills in app design.
- Relevant Coursework: Software Development, Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming.

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## Awards and Honors:

- Active GitHub contributor to JavaScript, TypeScript and Flutter repos, with projects focused on web/mobile scalability.
- Led technical build for startup (Bilit Entertainments), handling \$1M money flow from/to +8000 users in the first 3 months.
- High academic ranking in Computer Science program.

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**Languages:** English (Fluent), Persian (Native)