

Hamid Heidarinia

Senior Backend Engineer | Database Engineering & SQL Performance

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PROFESSIONAL SUMMARY

Senior Backend Engineer with 10+ years of experience designing, building, and maintaining backend applications, RESTful APIs, and database-driven systems. Strong in backend architecture, database engineering, SQL optimization, and production troubleshooting. Founder and technical lead of a SaaS product in stealth development; previously led backend development on an EPOS platform for restaurant and takeaway businesses. Seeking Senior Backend Engineering, Database Engineering, SaaS product development, and technical leadership roles.

TECHNICAL SKILLS

Backend Development: PHP, Laravel, Python, Django, C#, ASP.NET MVC, RESTful API

Database: MariaDB, MySQL, PostgreSQL, SQL Server, Redis, Neo4j

Database Engineering: Data Modeling, Schema Design, Indexing, Query Optimization, Stored Procedures, Views, Database Administration, Backup & Recovery

Infrastructure & Tools: Linux, Docker, Git, GitHub, GitLab

Frontend Development: HTML5, CSS, Bootstrap, Tailwind CSS, JavaScript, jQuery

Engineering Practices: OOP, SOLID, Design Patterns, Automated Testing, Code Reviews, Technical Documentation, Agile/Scrum, Application Security

PROFESSIONAL EXPERIENCE

Founder & Lead Software Engineer

SaaS Stealth Startup (Self-employed) | Marand, East Azerbaijan, Iran (On-site) | Jan 2022 – Present

Founded and lead the technical development of a SaaS product in stealth development, owning architecture, backend engineering, database design, infrastructure, deployment, and ongoing optimization.

- Designed and developed the platform architecture, backend services, and RESTful APIs using PHP and Laravel.
- Designed and administered MariaDB databases: data modeling, schema design, indexing, access control, data integrity, backup, and recovery.
- Optimized complex SQL queries, stored procedures, views, and indexes; investigated bottlenecks and improved database performance.
- Implemented Redis for caching and faster data access; used Neo4j for relationship-based data modeling and product features.
- Managed Linux-based environments and Docker workflows; established Git/GitHub development practices.
- Led technical research, architecture decisions, security reviews, troubleshooting, and deployment; planned delivery using Agile/Scrum.

Senior Backend Engineer / Full-Stack Developer

Stealth Startup – EPOS platform for takeaway and restaurant businesses (Full-time) | Tabriz, East Azerbaijan, Iran (On-site) | Aug 2019 – Mar 2022

Worked on an all-in-one EPOS platform integrating point-of-sale (POS), online ordering, branded websites, mobile apps, self-service kiosks, accounting, and business management tools.

- Developed and maintained backend applications using C#, ASP.NET MVC, SQL Server, stored procedures, and Git.
- Led development of a major web application over approximately 1.5 years: requirements analysis, technical design, implementation, testing, deployment, and maintenance.
- Enhanced the kiosk application by refactoring backend components, implementing missing features, resolving defects, and improving reliability.
- Developed and optimized SQL queries and stored procedures; investigated performance bottlenecks; collaborated with the DBA on database design and optimization.
- Performed code reviews, debugging, and refactoring to improve code quality, maintainability, and stability.
- Collaborated with UI/UX, Support, Python, and mobile teams to turn business requirements and customer feedback into technical solutions; prepared technical documentation.

Full-Stack Web Developer

Independent Software Developer (Self-employed) | Marand, East Azerbaijan, Iran (Remote) | May 2014 – Jul 2019

Worked independently with clients to design, develop, deploy, and maintain custom web applications across the full software development lifecycle.

- Designed and developed web applications using PHP, Laravel, MariaDB, and MySQL.
- Designed database schemas and optimized SQL queries for performance, reliability, and maintainability.
- Developed RESTful APIs and integrated applications with third-party services and external systems.
- Built responsive user interfaces using HTML5, CSS, Bootstrap, JavaScript, and jQuery.
- Implemented authentication, role-based access control, input validation, and other security measures; used Git/GitHub, testing, debugging, and refactoring.
- Managed requirements, delivery, deployment, and maintenance; worked directly with clients on scope changes, documentation, technical support, and user training.

OPEN SOURCE

Bootstrap-rtl (archive) | [hamidheidarinia.github.io/bootstrap-rtl](https://github.com/hamidheidarinia/bootstrap-rtl)

RTL (right-to-left) adaptation of the Bootstrap front-end framework, enabling Persian and Arabic interfaces with Bootstrap's grid, components, and utilities. Maintained across Bootstrap v4.0 to v4.3, with documentation hosted on GitHub Pages.

EDUCATION

Bachelor's Degree, Computer Software Engineering

Islamic Azad University of Marand | Sep 2011 – Aug 2013

Associate's Degree, Computer Software Engineering

International Islamic Azad University of Jolfa | Sep 2008 – Feb 2011

LANGUAGES

Azerbaijani – Native | Persian – bilingual proficiency | English – Limited working proficiency |
Turkish – Elementary proficiency