Pedram Soofi
Software Engineer | Full-Stack

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Summary

Full-Stack Developer with 6+ years of experience, specializing in modern Front-End architecture and building scalable, modular systems across both client and server. Architected a micro-frontend banking platform and a service-driven backend that reduced development time by 10x and powered enterprise solutions serving 4M+ users.

I thrive in collaborative environments, enjoy connecting engineering decisions to user and business impact, and bring a thoughtful, product-minded approach to every project.

Deeply **passionate about learning and continuous growth**, always exploring new technologies, studying modern engineering practices, and experimenting with ideas through GitHub projects to stay sharp, curious, and adaptable.

Experience

Technical Team Lead | Senior Front-End Developer *(Jun 2023 – Sep 2025)* **Part Software Group**

- Build a scalable Micro-Frontend ecosystem (Vite) and custom CI/CD publishing engine for a multi-tenant Digital Banking platform, automating white-labeling and **accelerating client delivery speed by 20x**.

- Achieved **10x codebase scalability** by establishing a "Shared Kernel" repository and configurable Design System, utilizing **Clean Architecture** to centralize reusable business logic and enforce strict UI consistency across micro-apps.

- Engineered a secure, framework-agnostic State Machine to manage complex loan workflows with strict authorization guards, utilizing an Event-Driven Architecture (Web Workers) for high-performance, decoupled service communication.

- Co-founded the Frontend Infrastructure Chapter to spearhead architectural modernization (DDD, FSD) and enforce SOLID principles, establishing a centralized UI library and **driving deep performance optimization**.

- Mentored +6 developers to elevate technical proficiency, fostering a high-performance culture through rigorous code reviews, algorithmic training, and collaborative knowledge sharing.

- Conducted advanced technical interviews to identify high-potential talent, rigorously assessing candidates on Clean Code, optimization, and soft skills to maintain high engineering standards.

Front-End Developer *(Feb 2020 – Jun 2023)* **Part Software Group**

- Engineered a high-performance authentication platform Farashenasa serving **4M+ users**, utilizing **Clean Architecture** and **DDD** for scalability. Implemented a robust **WebRTC camera module** with background AI processing (Web Workers) for liveness detection, ensuring strict **WCAG accessibility** and security compliance.

- Developed a scalable, multi-tenant authentication widget Ekyc integrated by **20+ enterprise clients** (e.g., Snapp, Mofid, Farabi). Designed a **configuration-driven architecture** served via iFrames, enabling seamless, customized embedding across high-traffic platforms without code duplication.

- Built Ivira a comprehensive AI marketplace hosting **120+ services** with **SSR and PWA capabilities** for superior performance. Engineered a dynamic **Form Generator engine** that abstracted complex service inputs, **increasing development velocity by 10x** and ensuring maintainability.

- Delivered **20+ diverse web applications**, including a custom **TradingView engine fork**, an online **PDF Catalog Builder** for festivals, and a **Nuxt.js Static Site Generator** (Keystone CMS) that accelerated content delivery by **20x**.

- Enforced high engineering standards across all projects by implementing **comprehensive testing** strategies (Unit/E2E) and performance optimization techniques, ensuring highly maintainable, bug-free, and efficient codebases.

- Designed and led a structured **Internship Program** for **20+ candidates**, creating tailored learning paths focused on **Cloud-native frontend development** (Serverless). This initiative accelerated junior onboarding and significantly improved the company's engineering talent pipeline.

Back-End Engineer *(Oct 2023 – Aug 2025)* **Rahe Roshd Institute**

- Designed a modular, loosely coupled, and testable backend architecture that improved scalability and long-term maintainability.

- Increased service uptime from an unstable 95% to a consistent 99.99% by implementing an LRU caching layer and optimizing database access patterns.

- Improved system scalability and resilience by introducing RabbitMQ-based asynchronous communication, fully decoupling external service interactions.

- Implemented monitoring and observability practices (logging, alerts, metrics) to reduce debugging and incident-resolution time.

- Conducted requirements analysis, domain exploration, and stakeholder communication to ensure accurate system understanding.

- Designed software systems using UML and architecture diagrams aligned with best practices in software engineering.

- Applied principles such as DDD, modular design, SOLID, and clean architecture to produce scalable and maintainable system designs.

Front-End Engineer (Remote/USA) *(Jun 2023 – Dec 2023)* **Tek School**

- Designed interactive, reusable course templates that streamlined content creation and reduced production time significantly.

- Enhanced learner analytics by integrating xAPI, providing richer event tracking and actionable insights for instructors.

- Implemented secure authentication and user management using AWS Amplify, improving platform reliability and onboarding experience.

- Technical interviewer (Software Engineering skills, JavaScript Deep-Dive).

Lecturer *(Aug 2024 – Aug 2025)*   **National University of Skill**

- Instructed special topics in software engineering, with an emphasis on software system design, analysis, and web development.

- Delivered lectures and served as a **project supervisor** for students, guiding their technical and professional development in software engineering projects.

Front-End Instructor *(may 2021 – jun 2025)*   **Part College**

- Instructed multiple courses, including **TurboFront** and **Developer** programs, covering core **Front-End development** and **Software Engineering** principles.

- Taught **Full-Stack Web Development** at the FUM-Bootcamp for Ferdowsi University, equipping students with comprehensive skills from front-end to back-end technologies.

Skills

- **Programming Languages:** JavaScript (ES6+), TypeScript, Node.js

- **Frameworks & Libraries:** Vue.js, React.js, Nuxt.js, Next.js, TanStack

- **Architecture:** Micro-Frontends (Module Federation), Microservices, SOA, FSD (Feature-Sliced Design), Clean Architecture, DDD (Domain-Driven Design), Event-Driven Design, State Machines, Component Design

- **Concepts:** SOLID, OOP, Design Patterns, Clean Code, Modular Design, Scalability Engineering, Dependency Injection (DI), TDD (Test-Driven Development)

- **Web Technologies:** Web Workers, WebRTC, PWA, SSR, Web Services, RESTful API Design, Design Systems, Performance Optimization, SaaS Development

- **Testing & CI/CD:** TDD/Testing Strategies, Vitest, Cypress, CI/CD Best Practices, GitLab CI, GitHub Actions, Code Reviews

- **Backend & Data:** Relational Databases, SQL, PostgreSQL, Sequelize, Redis, RabbitMQ, Keystone (Headless CMS), GraphQL

- **Protocols:** REST, WebSocket, gRPC, Message Queue (AMQP)

- **Tools & Practices:** Git, Sentry, LaTeX, xApi, Product Thinking, UX Collaboration, Agile Methodologies

- **Soft Skills:** Mentoring & Coaching, Cross-functional Communication, Ownership/Accountability

Education

Bachelor of Computer Science and Engineering (GPA: 4.30/5.0) *(Sep 2017 – Sep 2022)*   **Ferdowsi University**