

Mohammad Sharafi

Software Engineer | Mobile Development Specialist | Emerging Data Scientist
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Professional Summary

Distinguished Software Engineer with over 6 years of experience crafting innovative mobile applications in digital health, fintech, and education. Led the development of an award-winning AI-powered womens health assistant at March Health, earning the 2025 Best Pain Management Technology award by integrating advanced AI, HIPAA-compliant payment systems, and cloud technologies (Firebase, AWS). Expert in Flutter, Dart, Android (Java/Kotlin), and RESTful APIs, with a proven ability to optimize performance and deliver scalable solutions. Currently advancing expertise in data science and machine learning, combining software engineering prowess with analytical skills to pioneer data-driven healthcare solutions. My rare blend of mobile development, AI integration, and emerging data science expertise positions me as an exceptional candidate for specialized roles in the U.S.

Unique Value Proposition

- **Digital Health Innovation:** Developed a pioneering AI-powered womens health assistant, recognized for Best Pain Management Technology in 2025, addressing complex health needs with cutting-edge technology.
- **Security Compliance Expertise:** Engineered HIPAA-compliant payment systems, reducing fraudulent transactions by 40% and ensuring data privacy for sensitive health information.
- **Performance Optimization:** Achieved a 50% reduction in API latency and 30% improvement in app performance through advanced cloud integrations and state management.
- **Global Leadership:** Led remote U.S.-based teams, delivering scalable solutions tailored to American market standards, with apps achieving 50,000+ downloads and \$2M in transactions.
- **Data Science Integration:** Applying Python, Pandas, and machine learning to healthcare datasets, enhancing data-driven innovation in digital health.

Core Competencies

Technical Expertise:

- Mobile Development: Flutter, Dart, Android (Java/Kotlin)
- Cloud & Backend: Firebase, AWS (S3, Cloud Functions), SQL, RESTful APIs
- Architectures: BLoC, Provider, MVVM/MVP
- Security: End-to-end encryption, HIPAA compliance, secure payment systems
- Data Science (In Progress): Python, Pandas, NumPy, Machine Learning

Leadership & Collaboration:

- Technical Team Leadership
- Agile Project Management
- Cross-Functional Collaboration
- UX Optimization

Professional Experience

Software Engineer

March Health, Türkiye

March 2025 Present

- Led development of an AI-powered womens health assistant using Flutter and BLoC architecture, earning the 2025 Best Pain Management Technology award for innovative health solutions.
- Optimized Firebase and AWS S3 integrations, reducing API latency by 50% (from 800ms to 400ms) and boosting app performance by 30%.
- Developed HIPAA-compliant payment modules, reducing fraud by 40% and ensuring compliance with U.S. health regulations.
- Collaborated with UX teams to enhance user retention by 20% through intuitive, data-driven feature designs.

Software Engineering Team Lead

Capgroup, California, USA (Remote) May 2021

Jan 2025

- Directed a team of 8 engineers to develop scalable mobile and web applications for financial services, serving 10,000+ users in the U.S. market.
- Implemented clean architecture patterns, improving system maintainability by 35% and reducing technical debt.
- Enhanced platform stability via Agile methodologies, achieving a 98% sprint delivery success rate.
- Managed REST API integrations, ensuring seamless feature parity across Android and iOS platforms.

Software Engineer

Robintel, Isfahan, Iran

2019 2021

- Developed 10+ mobile apps in education and fintech, achieving 50,000+ downloads and a 4.5-star average rating.
- Built three banking apps with end-to-end encrypted payment flows, securely processing over \$2M in transactions.
- Maintained 99.9% app uptime and improved user retention by 15% through UX enhancements.

Education

Bachelor of Engineering in Computer Software Engineering

Isfahan University of Technology, Iran 2018 2022

- Graduated with a GPA of 3.0/4.0
- Specialized in mobile application development and software architecture

Certifications and Honors

- Finalist, Mobile Programming Marathon 8 (MPM), 2020
- Innovation Award for Best Pain Management Technology, March Health, 2025

Professional Development

- Advancing expertise in data science and machine learning, focusing on Python, Pandas, and ML applications in healthcare datasets.

- Exploring ethical AI, decentralized health systems, and optimization algorithms for wearable health devices.

Languages

- English Professional Proficiency
- Persian Native