

# Mohammad Sharafi

Software Engineer | Mobile Development Specialist | Emerging Data Scientist

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## Professional Summary

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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

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- **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

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### 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

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<b>Software Engineer</b>	March Health, Türkiye	March 2025	Present
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- 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.

<b>Software Engineering Team Lead</b>	Capgroup, California, USA (Remote)	May 2021	Jan 2025
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- 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.

<b>Software Engineer</b>	Robintel, Isfahan, Iran	2019	2021
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- 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

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<b>Bachelor of Engineering in Computer Software Engineering</b>	Isfahan University of Technology, Iran	2018	2022
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- Graduated with a GPA of 3.0/4.0
- Specialized in mobile application development and software architecture

## Certifications and Honors

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

## Professional Development

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- 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**

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- English Professional Proficiency
- Persian Native