Ariya Moheb

Full-stack Software Engineer

5+ years in FinTech distributed systems. Expert in Java, Spring, TypeScript, Angular, and systems architecture.

- **Languages:** Persian, English
- **Website:** https://ariyadey.me
- **Email:** ariya.mms@gmail.com
- **LinkedIn:** linkedin.com/in/ariyadey
- **GitHub:** github.com/ariyadey

Skills

- **Engineering & Security**
  Algorithms, Data Structures, Programming Paradigms, Systems Architecture, TDD, Caching, RESTful APIs, OWASP, JWTs, SEO, i18n
- **Languages**
  Java, TypeScript, HTML/CSS/JS, SASS, Rust, Dart
- **Frameworks**
  Spring Ecosystem, Angular Ecosystem, Tauri, Flutter
- **Libraries**
  Redis, RxJS, Junit, Mockito, Cypress
- **CI/CD**
  Maven, Linux, Git, GitHub Actions, Cloudflare Workers, Jira, Bamboo

Experience

TOSAN / Software Engineer (Full-time)
MAR 2021 - PRESENT (REMOTE)
Developed the NetWay Internet Bank platform, a mission-critical, high-traffic enterprise application serving millions of active users daily.

- **Engineered secure, high-concurrency distributed backend services** for core banking modules using **Java and Spring Framework**, ensuring system stability for millions of users.
- **Significantly improved platform security** by designing and implementing **complex authentication flows** and integrating advanced **CAPTCHA mechanisms** within core login processes.
- Drove performance and architecture wins by implementing **critical caching solutions with Redis** and optimizing the **Maven** build system to improve large-scale application deployment efficiency.
- Led full-stack feature delivery, including designing and implementing the **Wistore** third-party integration platform and the **Corporate Cards** feature.
- Re-architected critical, complex **Angular/TypeScript** frontend components from scratch, delivering enhanced scalability, cleaner code, and high maintainability while maintaining strict backward compatibility.
- Contributed to technical culture by actively **mentoring** junior teammates and serving as an **interviewer** for new engineering hires and internal promotions.

ASTA / Web Developer (Internship)
JAN 2021 - MAR 2021 (REMOTE)

- Developed a demo library system using a modern **Java** stack (**Spring Boot**, Spring Data JPA, JAX-RS) to deliver robust **RESTful APIs**.
- Focused on applying advanced software engineering principles, including **Test-Driven Development (TDD)** and **SOLID Principles**, using **JUnit** and **Mockito** for high code coverage.

Open-Source Projects

Personal Website
JUL 2024 - PRESENT
- Developed an **Angular/TypeScript** portfolio featuring **internationalization (i18n)** and **SEO optimization (hreflang)**.
- Established a modern **CI/CD** pipeline via **GitHub Actions** to **Cloudflare Workers** for efficient global content delivery and edge computing benefits.

Capturist - Todoist Quick-Add Utility
AUG 2025 - PRESENT
- **Engineered a secure, high-performance cross-platform binary** using **Tauri (Rust)** to wrap an **Angular** frontend, delivering advanced features like system tray integration and global shortcuts.
- Implemented secure **OAuth2** authentication and leveraged Tauri's system storage plugins to **safely persist critical access tokens** on the user's operating system.

Minesweeper Game
JAN 2021
- Developed and implemented an interactive web-based Minesweeper game using **React**.
- Engineered core game logic from scratch, including **graph-based algorithms** for recursive cell reveal and mine placement.

JAST
FEB 2020
- Designed and built **JAST**, an educational project demonstrating deep **compiler design principles**.
- Implemented complex **algorithms and data structures** in **Java** to parse source code, construct the AST, and visualize the output via a Swing GUI.

Education

Guilan University / Bachelor of Computer Engineering
2016 - 2021, GUILAN, IRAN