Mohammadhossein Haajihosseini

Software Engineer

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○ saamTheSoldier

SUMMARY

Software Engineer with more than 4 years of experience in full-stack development, working with Java Spring Boot, ASP.NET Core, FastAPI(Python), svelte(JS&TD), and SQL-based databases. Passionate about clean architecture and building maintainable. Experienced in adapting to large, complex projects and capable of designing internal software components tailored to specific requirements.

EDUCATION

B.Sc. Computer Engineering
Sharif University Of Technology

📅 Oct. 2020 – ONGOING   ● Tehran

Physics & Mathematics Diploma
Sadat School

📅 Oct. 2018 – Oct. 2020   ● Isfahan

EXPERIENCE

Research Assistant (AI Projects)
Sharif University of Technology

📅 Apr. 2025 - present (10 mos)   ● Tehran

- Collaborated with university professors on AI-related software projects, contributing to research initiatives and development efforts.
- Developed SSO (Single Sign-On) authentication system using Python.
- Reviewed, modified, and customized open-source AI platforms including Dify.ai, Open WebUI, and MindsDB to meet project requirements.
- Worked full-stack using Svelte for frontend and Python (FastAPI) for backend development in customizing these platforms.

Software Engineer (.NET)
IAIS

📅 Jun. 2024 - Apr. 2025 (10 mos)   ● Tehran

- Quickly adapted to and mastered a new programming language, showcasing the ability to efficiently learn and apply new technologies in a professional setting.
- Designed and implemented financial systems tailored to specific client requirements, ensuring precision, scalability, and alignment with industry standards.
- Collaborated with cross-functional teams to deliver high-quality solutions, maintaining clear communication and problem-solving skills.

ACHIEVEMENTS

University Entrance Exam
Mathematics and Physics

📅 Jul. 2020   ● Iran

Ranked 130th among 155,250 participants.

MOTIVATION

Seeking a long-term commitment with a company that values growth and teamwork. Passionate about deep learning, problem-solving, and creative challenges, aiming to contribute, grow, and evolve in a supportive environment.

SKILLS

Main Skills
- Spring Boot
- Java
- C#
- ASP .NET
- AOSP
- C & C++
- AKKA
- SQL
- Git
- Linux command-line

Other Skills
- VIM
- Python
- Svelte
- FastAPI
- Algorithm & Data Structures
- Object-Oriented Concepts and Design Patterns
- Debugging & Testing
- Network Protocols
- Various Software Architectures
- HDL: Verilog
- LaTeX
- JetBrains IDEs
- GitLab, Confluence, Jira
- Effective Searching & Effective prompting

- Designed and developed a domain-specific language (DSL) to enable seamless interaction between accounting personnel and the custom-built financial system.
- Promoted and facilitated the adoption of Scrum methodology, task management practices, and organizational workflows to enhance team productivity and collaboration across the company.

Android Core Developer
Mahsan

📅 Dec. 2023 - Jun. 2024 (6 mos)   📍 Tehran

- Contributed to the development of a secure Android ROM using AOSP.
- Leveraged Java, C++, and Kotlin for software development.
- Engaged in collaborative problem-solving within the open-source community.
- Proposed and implemented a creative bug fix for emergency calling on Android 14 for Pixel phones, showcasing problem-solving skills and initiative.
- Developed and integrated a new feature into Android 14, enabling users to share VPN upstream network via tethering, demonstrating innovation and technical proficiency.

Software Engineer
Behpaya

📅 Jul. 2023 - Oct. 2023 (4 mos)   📍 Tehran

- Developed robust REST APIs using Spring Boot and Hibernate.
- Collaborated on the development of "Moein," an integrated operation monitoring system.
- Utilized ClickHouse for big data management.

Junior Back-end Developer
SobhanTech

📅 Nov. 2021 - Mar. 2023 (17 mos)   📍 Isfahan

- Managed SQL database using Hibernate and JPA.
- Contributed to a messenger app server with 30 million users.
- Implemented essential voice call features for the messenger server-side.
- Explored software architecture with AKKA toolkit. Got familiar with Actor Model.

Software Engineer Intern
SobhanTech

📅 Jul. 2021 - Nov. 2021 (5 mos)   📍 Isfahan

- Developed RESTful APIs using Spring framework.
- Utilized Spring Data for database management.
- Implemented authentication with Spring Security.

INTERESTS

- Learning
- Challenges & Problem Solving
- Software Design and Development
- Low-Level Programming
- Software Architecture
- Theoretical Exploration

LANGUAGES

English: Upper-Intermediate
Persian: Fluent
Arabic: Elementary

PROJECTS

Yu-Gi-Oh
Advanced Programming Course Project

- Developed a server-client game using Java and JavaFX.
- Showcased teamwork and problem-solving skills.

XV6 FFS
Operating System Course Project

- Added Fast File System(FFS) to XV6 Operating System.
- Implemented in C programming language.