

Danial Riazati

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EDUCATION

Shahid Beheshti University - Tehran, Iran

Sep 2019 - Aug 2024

Bachelor of Science in Computer Engineering (GPA: 3.45/4.0)

National Organization for Development of Exceptional Talents (SAMPAD) - Alborz, Iran

Sep 2013 - Jun 2019

High School Diploma - mathematics (GPA: 3.97/4.0)

SKILLS

Programming, Query, Markup Languages: C#, Python, Dart, GO, C/C++, Java, JavaScript, SQL, HTML5, CSS/ SCSS

Web Frameworks (Backend): .NET Core (Web API - MVC), .NET Framework, Node.js, GO REST API Frameworks (Gin, Gorilla Mux, Fiber), Flask

Web Frameworks (Frontend): Next.js, React.js, Flutter, Bootstrap, jQuery, Android SDK, Flutter Pi

Databases and Caches: Microsoft SQL Server, Oracle, MySQL, SQLITE, MongoDB, Redis

Hardware and Boards: Raspberry Pi Family (Raspberry Pi 4 Model B - Raspberry Pi Zero W), Arduino Uno

Environment and Tools: Raspberry OS, Linux Debian-Based distros (Ubuntu, Kali Linux), Shell, Nginx, Visual Studio, VSCode, Message Brokers (Kafka - RabbitMQ), API Gateway (Ocelot), Graylog, ELK Stack (Elasticsearch - Logstash - Kibana)

Project Management and Iaas: Scrum, Git, Docker, AWS, Microsoft Azure, GitLab CI/CD

Computer Science: Data Structures and Algorithms, Computer Networking, Operating Systems, SOLID principles, Design Patterns, Micro-Services, Asynchronous programming

EXPERIENCE

Software Engineer - InfraFund.net, London, United Kingdom

Apr 2024 - Jul 2024

As a software engineer at InfraFund, I work on a cutting-edge platform designed for Web 3.0 crowdfunding focused on NetZero projects. InfraFund integrates blockchain technology, AI-driven asset management, and robust KYC systems to provide a secure, transparent, and efficient platform for investors and project owners. InfraFund facilitates crowdfunding through Security Token Offerings (STOs) and a Decentralized Exchange (DEX). The platform offers AI tools for asset management, real-time analytics, interactive charts, a fiat-to-crypto exchange, and a comprehensive KYC system.

Software Engineer - Hasin Technology Co., Tehran, Iran

Mar 2021 - Feb 2024

- Backend Developer, Payment Solutions Department**

Initially joined as a Backend Developer focusing on payment switch and channel management systems. Spearheaded algorithmic and security enhancements to handle over 2 million transactions daily, ensuring system integrity, speed, and maintainability. Excelled in implementing robust monitoring and logging systems for efficient issue resolution.

- Team Lead & Full Stack Developer, Startup Studio Department**

Transitioned to lead and contribute as a Full Stack Developer within the innovative Startup Studio. Directed brainstorming sessions and spearheaded the development of three startup projects, including the high-tech Piki Smart Cart. Pioneered the integration of advanced sensors and computer vision to enhance the shopping experience, eliminating queues. Led the design of a sophisticated fraud detection system and versatile payment solutions, employing best practices in code quality and system design.

- Key Contributions:**

- Engineered a core system for sensor data recognition and processing and fraud detection capabilities.
- Implemented various design patterns and system design methodologies, improving code maintainability and project scalability.
- Fostered a culture of innovation, leading to the successful launch of Piki Smart Cart and enhancing the company's technological footprint.

Internship Mentor - Radin Technology Co., Tehran, Iran

Jun 2021 - Dec 2023

Mentored 37 undergraduates in CS/CE at Radin Technology Co., teaching software engineering fundamentals, including algorithms, OOP, design patterns, and tool proficiency. Guided interns to specialize in backend or frontend development, culminating in real-world projects for their portfolios.

Teaching Assistant - Shahid Beheshti University, Tehran, Iran

Sep 2020 - Feb 2024

- Appointed as Head Teaching Assistant for Advanced Programming under **Dr. Mojtaba Vahidi-Asl** crafting exercises focused on OOP and Design Patterns, and facilitating the adoption of efficient programming practices.
- Served as a Teaching Assistant for Internet Engineering with **Dr. Ehsan Javanmardi**, where I taught web fundamentals, ReactJS, NodeJS, and NoSQL database usage. Coordinated the development of a timely project monitoring COVID-19 statistics.
- Assisted in the Algorithms course led by **Dr. Ramak Ghavamizadeh**, mentoring students in solving complex problems with an emphasis on optimal time and memory complexity, employing greedy algorithms and dynamic programming in C/C++.

Research Assistant - Shahid Beheshti University, Tehran, Iran

Mar 2021 - Sep 2023

- Engaged in innovative research under **Dr. Mohsen Ebrahimi Moghaddam**, Head of the Computer Engineering Faculty, to enable iOS functionality on alternative hardware platforms, decrypting proprietary protocols and algorithms.
- Designed an efficient data schema and developed web API services for a BPMS project, demonstrating practical application of research in software development.

PROJECTS

Thesis Project - Class Negar (Revolutionizing Classroom Management and Attendance through Smart Technology)

Sep 2023 - Feb 2024

- "Best thesis project candidate" in Shahid Beheshti University Faculty of Computer Science and Engineering**
- Key Words:** #Raspberry_Pi #Raspberry_OS #IoT #DotNet #REST_API #RFID #QRCODE #PWA #UI/UX
- Description:** As a culmination of my Bachelor of Computer Engineering at Shahid Beheshti University, I spearheaded the development of "Class Negar", a pioneering smart classroom system designed to streamline class management and enhance the educational experience for both faculty and students.
- Impact and Usability:** The design and implementation of Class Negar were driven by a commitment to usability and security. By offering a reliable and efficient method for managing class attendance and resources, Class Negar has not only enhanced the educational process within the faculty but also set a benchmark for future innovations in smart classroom systems.

Piki Smart Cart (Transforming Retail with State-of-the-Art Smart Technology)

- Key Words:** #Computer_Vision #IoT #Micro_Services #Raspberry_Pi #Sensor_Fusion #Linux #REST_API #Payment
- Description:** The Piki Smart Cart embodies the forefront of retail innovation, a project that I had the pleasure of leading and developing from the ground up. As the Team Lead and Full Stack Developer at Startup Studio, I championed the transformation of conventional shopping carts into intelligent companions for shoppers.

CERTIFICATES

- Scrum Alliance Certified Scrum Professional - Scrum Alliance - Credential ID 001605847**
- JAVACUP CERTIFIED JAVA PROGRAMMER - Java Cup Association**

Dec 2023

Oct 2020