Amirhossein Bagheri

Glen Cove, NY 11542 | +1(626) 818-9342 | www.CyrusCloud.io | www.AriaBagheri.com

OBJECTIVE

To make significant contributions in software development, leveraging 18+ programming languages and technologies to excel the company, simplify lives, and foster a more modern society.

SKILLS

- Fluent in Rust, Python, JS, Java, C, C++, C#, Swift, SQL, NoSQL, ReactJS, NextJS, Django, NodeJS, ThreeJS, GraphQL, React Native, Java Android.
- AWS services such as DynamoDB, S3, Amplify, Lambda, Lightsail, IAM, EC2.

RESEARCH AND PUBLICATION

- Authoring "The Art of Digital Disruption," exploring over 50 types of DDoS attacks.
- Researching a new technique for uncrackable image steganography using Argon2id hashing, AES-256 encryption.

ACCOMPLISHMENTS

- First Prize, Ebne Sina National Festival, 2018 for the Biometric Building Security System.
- Bronze Medal, Mobtakeran National Math Olympiad, 2018.

CERTIFICATIONS

- **Duke University & UC San Diego:** Object Oriented Programming in Java Specialization
- **UC San Diego:** Data Structures and Performance

EDUCATION

- National Organization for Development of Exceptional Talents (NODET) Middle School, 2015-2018.
- Saint George British International School in Germany, 2018-2019.
- Arcadia High School, 2019-2021.
- New York Institute of Technology, 2021-Present.

LANGUAGES

- Fluent in English and Persian
- Understanding of Arabic and German

WORK EXPERIENCE

Director of Software Development, Sendsational Inc, Jan 2023 - Present

- Architected and transitioned to a centralized Rust server equipped with the latest security and encryption measures, including IP tracking, blacklisting, and honeypots, achieving an 11.3x reduction in latency while enhancing system security and efficiency.
- Deployed a digital coupon redemption system across 147 locations, resulting in a 150% increase in customer retention.
- Conceived and developed "RustyGames," launched in 25+ locations across Long Island, designed to amplify customer engagement and reward loyalty.
- Led the creation of "Spider," a series of modular scrapers for targeted data collection and promotional campaign integration.
- Directed "TimeFusion," an innovative modular time clock system, enhancing employee tracking accuracy.
- Engineered "RustyArduinoMessaging," leveraging Arduino-driven physical SIM cards for cost-effective text messaging, saving over $500k annually.

CTO, CyrusCloudSolutions, LLC, Jun 2023 - Present

- Launched a SaaS platform specializing in text/email marketing campaign management.
- Pioneered modular serverless functions to streamline third-party access management.
- Deployed "InfoGrid," a robust and modular customer analytics tool, enhancing data-driven decision-making.
- Offering scalable and fully customizable server environments, aligning with specific business requirements.

Private Doctor's Office, 2018-2020

- Designed and implemented a comprehensive patient management system in C#.
- Introduced automated solutions for appointment reminders and seamless patient profile management.

Persian Language Center, 2017- Present

- Transformed student management processes by digitizing profiles and automating registration workflows.
- Pioneered the creation of Computer-generated tutorial videos and a comprehensive video editor