Nazareth Keshishian

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ABOUT ME

Dynamic and results-oriented Computer Scientist with a strong commitment to learning the complexity of computer security and researching cutting-edge technology. I am well-known for my proactive problem-solving approach and persistent commitment to excellence in all pursuits. I'm eager to face obstacles front on and extend my knowledge.

EXPERIENCE

Senior Release Engineer

Picsart **July 2020 - Present, Yerevan, Armenia**

· Implemented continuous integration/continuous deployment (CI/CD) pipelines for seamless and reliable releases.
· Collaborated with engineering teams to design and implement sustainable deployment packaging and automation systems.
· Proficient in Git for managing source code versioning and branching strategies to streamline development workflows.
· Collaborated with cross-functional teams to troubleshoot build issues and maintain a stable release cycle.
· Design, set up and enforce standards and procedures for development activities
· Monitor release health with tools such as Bugsnag, Firebase Crashlytics, Android Vitals.
· Streamlined mobile app submission process by implementing App Store Connect APIs, resulting in a reduction in submission time.
· Implemented Bugsnag crash auto assignment feature, increasing efficiency for team allocation and crash resolution within the release process.
· Improved release processes by developing and implementing automated systems for seamless integration between Slack and other essential platforms.
· Implemented Release Engineering methodologies for streamlined deployment processes.
· Improved GitHub Actions efficiency by implementing automation scripts, resulting in a 30% reduction in overall build time.
· Engineered a robust automatic crash reporting system for iOS and Android platforms that monitored and documented over 500 crashes per month, enabling the development team to rapidly address and rectify issues to enhance application stability.

Lead Developer

FindUrDoc. **February 2019 - July 2020, California, USA**

· Designed a dynamic database and responsive website interface for streamlined user interaction.
· Developed and implemented user interface design for the application, leveraging Ionic framework for cross-platform compatibility on Android and iOS.
· Coordinated and managed all software releases for the application, ensuring timely deployment.

Full-Stack Developer

3Ds DataCOM **June 2019 - July 2019, Beirut, Lebanon**

· Built several dynamic websites for clients using different web technologies.
· Built financial and stock reporting systems for companies.

PROJECTS

Thesis - Bitcoin Falcon

Lebanese American University · October 2023 - May 2024

· This project aims to enhance the security of Bitcoin Core by integrating the Falcon lattice-based digital signature algorithm into the Bitcoin Core.
· Falcon is designed to provide post-quantum security, safeguarding the Bitcoin network against potential quantum computing threats.

Consultation Project

Freelance · January 2023 – March 2023

· A react-native mobile application designed to connect users with experienced and knowledgeable consultants who can help them navigate the challenges of everyday life.

Math Problem Solving Application

March 2020 – May 2020

· A mobile application that captures a mathematical equation and shows its solutions with steps and graphs.

Network Intursion Detection System

Lebanese American University · January 2020 – May 2020

· A system that correctly detects an attack from an incoming connection (Used KDD Cup 99 dataset).

· Used Logistic Regression, Support Vector Machine (SVM), Decision Trees and Random Forests.

Influence Maximization on a Social Network

Lebanese American University · January 2020 – March 2020

· Used Message Passing Interface (MPI) in order to find a subset of users in a social network that have the maximum influence.

Client-Server File-Sharing Application

Lebanese American University · January 2019 – March 2019

· TCP application programmed in JAVA.

Medical Center Database Management System

Lebanese American University · January 2018 – March 2018

· Used PHP and MySQL to design and develop an online appointment system for patients.

EDUCATION

M.S. in Computer Science with a Specialization in Computer Security

Lebanese American University · Beirut, Lebanon · 2024 · GPA 3.73

Bachelor of Computer Science

Lebanese American University · Beirut, Lebanon · 2020

CERTIFICATIONS

Cyber Security Training

Picsart Academy · 2023

· Trained in penetration testing and exploitation, with practical experience in applying security principles to assess vulnerabilities.

INVOLVEMENT

Teaching Assistant in Computer Lab

Lebanese American University · August 2019 – December 2019

· Provided guidance and assistance to students enrolled in the Design and Analysis of Algorithms course, fostering their understanding of complex algorithms and problem-solving techniques.

Scouts Movement

2002 – 2021

SKILLS

Software: Node JS, Typescript, Python, JAVA, SQL, noSQL, CI/CD, Object Oriented Programming

Field of Interest: Cybersecurity, Stocks, Gaming