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SUMMARY

Impact-driven software engineer with strong expertise in systems design. Has expertise in full stack development, cloud-based CI/CD (AWS, GCP, GitHub Actions), delivering scalable solutions to SaaS, enterprise, and AI/ML systems. Known for solving complex and technical challenges, optimizing solutions, and collaborating with teams. Experience with designing end to end full stack solutions, incorporating Large Language Models (LLMs), handling sensitive data through SQL or NoSQL systems.

EDUCATION

University of Maryland, College Park
BS Computer Science
GPA: 4.00

May 2023

SKILLS

Programming Languages

Python, Typescript, Javascript, SQL, Dart (flutter), C/C++, C#, Java, Golang, Rust

Operating Systems

Windows, Linux, MacOS

Certifications

AWS Solutions Architect – Associates

Tools

Git, Subversion, Visual Studio, Atlassian Suite, Docker, Google Cloud, AWS, PostgreSQL, BigQuery, NoSQL, Firestore, Jenkins, AWS Quick Suite, Amazon Bedrock, Google Gemini, MicroStrategy

Clearance

Top Secret

RELEVANT EXPERIENCE

Pistevo Decision, Herndon VA.

Oct 2023 – Present

Full Stack Engineer

- Flutter and typescript full stack developer
- Lead Developer for app meant to monitor hospital patients' social and economic needs
- Lead Developer for app meant for aggregating, analyzing, and querying sensitive X12 EDI files from CMS and Health Care Providers
- Developer for AWS project mean to incorporate LLMs and AI to analyze and summarize CMS and healthcare trends
- Expertise in Google Cloud Platform Serverless architecture
- Expertise in Google Big Query databases

US Naval Research Laboratory, Washington D.C.

July 2022 – June 2023

Computer Science Intern

- Developed Python drivers for a variety of scientific instruments such as waveform generators, power supplies, etc.
- Used TCP and serial to communicate with devices
- Modified and extended the Pymasure library to include more instruments
- Created unit tests using the Pytest library

The Neuromotor Control and Learning Lab UMD, College Park, MD.

Jan – May 2023

Lead Developer

- Used Unity to develop a virtual testing environment for simulating interactive experiments
- Worked with customers to gather requirements and specifications
- Collaborated with a team of developers in an agile environment
- Wrote extensive documentation for software that was created
- Created webserver and endpoints to act as middleware between separate applications

Advanced Simulation Technology Inc, Herndon, VA.

June – July 2022

Computer Science Intern

- Modified automated test scripts to use in Jenkins Pipeline
- Utilized Golang for developing single sign on authentication with SAML
- Created service endpoints to API for developer use
- Added quality of life features to a Slackbot for internal testing
- Used C++ and OpenVR library for VR development

Unity Game Development, Bethesda, MD.

July – August 2021

Developer

- Used C# programming and Unity Framework to design multiple video games
- Gained experience in .NET Development and Visual Studio
- Worked with Git for version control
- Used self-imposed weekly deadlines for development

Java Development, Bethesda, MD.

May – June 2021

Developer

- Used Java to create a Discord Bot and Java Swing Framework to develop multiple games
- Focused on JUnit Testing for test coverage
- Gained experience in web server management and Linux

Camel App Productions, Bethesda, MD.

Summer 2020

Mobile App Developer

- Used Android Studio framework to create Mobile Apps
- Programmed in Dart and used Flutter Framework
- Became certified Google Play Store publisher

SOFT SKILLS & INTERESTS

- Problem solving, teamwork, adaptability, leadership, communication, diagramming, documentation
- Interests in Systems Design, Encryption, AI architecture, Cybersecurity

PORTFOLIO

Personal Website: <https://jaraadkamal.com/>

Professional Github: <https://github.com/jkamal000>

Personal Github: <https://github.com/Camelot314>

LinkedIn: <http://www.linkedin.com/in/jaraad-kamal>