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Isaiah Kolendo

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Motivated integration engineer with experience working within diverse systems to enhance customer facing applications and internal systems. Committed to delivering efficient, reliable and scalable solutions.

Work Experience

Integration Engineer   **Global Credit Union**   **Nov 2021–Present**
Enterprise Integration - Center of Enablement   Glendale, AZ

- As the engineer focusing on DevOps I created, improved and maintained CI/CD pipelines used by 4+ teams in over 50 production deployments. And along with another engineer created the source control policy used during development.
- Using MuleSoft's Anypoint studio and native functionality in Symitar I developed a logic engine to track and process recurring credit card payments. This solution integrated into the legacy transaction/payments ecosystem and is part of a larger effort to replace existing architecture with modern API centric components.
- As part of a training initiative I instructed 10+ software engineers of all seniority levels on best practices for development and DevOps. I also supervised development on 6 separate efforts. During these efforts I assisted in the architectural design, performed code reviews and regression testing post deployment.
- My team recently created a chatbot for internal use, using Microsoft's CoPilot Studio. User input is channeled through topics using NLU and the bot produces generative answers trained on data scraped from the intranet.

Software Development Intern   **Alaska Railroad**   **Nov 2020 - Nov 2021**
Anchorage, AK

- At the railroad I participated in development and deployment of a Positive Train Control system and in the initial stages of a GPS relay along the Seward - Fairbanks rail line.
- Part of my duties was to review and update modules in the legacy code base using modern .NET design patterns. As well as introducing new functionality to several supporting applications under the direction of senior developers.
- As a side project I along with other interns developed a command line centric application that allowed the user to perform and schedule data upload, data syncs and data downloads.

Computer Science Teaching Assistant   **Aug 2020 - Dec 2020**
University of Alaska Anchorage
Anchorage, AK

- Duties included supporting students in the Intro to Hardware Concepts and Hardware and Assembly classes. This support included advising on lab and homework assignments, one-on-one tutoring and assignment grading.

- This experience helped me cement fundamental computer engineering concepts commonly overlooked by developers. This drastically increased my understanding during advanced classes such as Computer Architecture and Digital Circuit Design.

Education

- **B.Sc. Computer Engineering,** University of Alaska Anchorage   **2017–2021**

Technologies and Languages

Languages:

C#, C++, C, Python3, Mojo, Java, JavaScript, Powershell, Dataweave

Technologies:

Anypoint Platform, CoPilot Studio (formerly Power Virtual Agents), MySQL, Azure DevOps, azure Cognitive Services, Linux, Amazon Web Services, Git, Postman, UIPath, Power Automate, Symitar, Flask, Django, CUDA, RISC-V Architecture

Other:

Test Driven Development, Continuous Integration & Continuous Development, Data structures and algorithms, RESTful APIs, RESTful Architecture, Object Oriented Programming, Functional Programming, Dynamic Programming, Design Patterns, Agile Methodologies

Personal Projects

- **Generative Choose Your Own Adventure -** To explore the OpenAI APIs I wrote code that allowed the user to have a choose your own adventure story generated for them. It would intake a prompt from the user, feed it to chatGPT along with prompt conditioning and present the generated scenario and options back to the user. This went on until the choices resulted in death or a story climax (builtin story length limitations). Decisions were stored locally and all input/output was through the command line.
- **Online Book Club -** As a capstone project I created a website that allowed users to create and join book clubs. These clubs acted as forums in which they could post their thoughts and track their progress through their book.

    The framework used was django with a UI enhanced with React, user and site data was stored using a mySQL database and deployment was done through Heroku.

- **FTP Client -** I programmed a client side FTP implementation in Python3 that communicated with a server to retrieve and upload files. This implementation was successful in retrieving files of varying sizes, reordering disorganized files, and