IRVING MARTINEZ

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SUMMARY

Highly motivated and accomplished **Software Engineer** with 6+ years of industry experience. Expert in developing and deploying robust applications with full unit test coverage. Experienced in troubleshooting, debugging, and reporting RCAs. Able to design, build, and maintain large, scalable systems. Proactive and reliable leader who takes ownership of products and projects with a strong willingness to provide support adhering to strict delivery schedules and Agile practices.

SKILLS

- Expert in building, maintaining, and deploying **Python 2** and **Python 3** applications
- Expert with **Git**, **GitHub,** and **Bamboo** to manage version control and deployments
- Expert in **BASH** scripting and querying **GrayLog** as well as querying **MYSQL**, **MS SQL**, and **DB2** databases
- Experience with implementing queue-based solutions that work with **RabbitMQ**
- Experience with **Flask** to create **RESFTful APIs** as well as **Swagger** to retrieve data points from staging and production databases
- Experience programming in **Java**, **.NET**, and **C#,** as well as **HTML, CSS, JavaScript**
- Experience working with **Atlassian** products such as managing dashboards, stories, and tasks in **Jira** as well as indexing and maintaining technical documentation on **Confluence**
- Experience with data extracting, cleaning, and analyzing using **Excel**, **Pandas**, and **Tableau**
- Excellent **ChatGPT Prompt Engineering** and **Google Search** skills leveraging best practices to produce optimal results
- Fast learner, highly organized, and capable of multitasking while exhibiting high levels of project coordination and control
- Excellent communication skills with the ability to collaborate effectively with cross functional teams

EXPERIENCE

Software Engineer – Optum Financial (United Health Group)
May 2021 – Current
- Design and implement custom software solutions to onboard new clients to achieve revenue goals such as building or extending file parsers, provider remittance advices, and other interconnected modules
- Modernize legacy applications to improve security, reliability, and scalability of systems
- Provide support for Account Executives, Production Support, and Call Center teams by resolving reported failures in a timely manner
- Develop and maintained tools and frameworks for Production Support, Implementation, and QA departments
- Collaborate with Product Owners, DevOps, Architect, and other Engineers to discuss new solutions
- Train new team members on current systems ensuring they are self-reliant and resourceful

Senior QA Automation Engineer – VPay, Inc
March 2019 – May 2021
- Automated testing processes with Python/Selenium, the C#/.NET/SpecFLow framework, and bash scripting
- Performed end-to-end testing verifying Python and .NET applications, web services, as well as MySQL, MS SQL, and IBM DB2/iSeries table updates
- Led testing efforts in staging and production environments by collaborating with stakeholders

Treasury Automation Specialist – VPay, Inc
March 2017 – March 2019
- Significantly reduced department labor costs by automating accounting operations
- Programmed software to balance MasterCard's data sets against internal iSeries database records
- Automated report generation in Tableau to aggregate data spanning different databases and external files

TECHNICAL PROJECTS

- Project: https://github.com/irvingmp6/kash   Application that allows users to interact with bank activity
  Technologies used: **Python3**, **argparser**, **pandas**, **sqlite3**
- Project: https://github.com/irvingmp6/pdffefs Application that merges/splits PDFs and converts JPG to PDF
  Technologies used: **Python3**, **argparser**, **PyPDF4**, **Pillow**
- Project: https://github.com/irvingmp6/sweb   Application that gets nested URLs from child pages
  Technologies used: **Python3**, **argparser**, **beautifulsoup**