

## IRVING MARTINEZ

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## SUMMARY

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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 team player who takes ownership of products and projects with a strong willingness to provide support and adhere to strict delivery schedules and Agile practices.

## EXPERIENCE

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### Senior Software Engineer – United Health Group

*May 2021 – Current*

- Design and implement custom software solutions to onboard new clients to achieve revenue goals such as building and 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

### Testing Automation Engineer – VPay

*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

### Banking Automation Engineer – VPay

*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

## PROJECTS

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- **Kash**  
Framework to streamline expense management and cash flow forecasting.  
GitHub Link: <https://github.com/irvingmp6/kash> | Uses **Python**, **SQLite**, and **Pandas**
- **P-I-Find**  
Console app that gathers open-source intelligence (OSINT) on a person  
GitHub Link: <https://github.com/irvingmp6/sweb> | Uses **Python**, **BeautifulSoup**

## SKILLS

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- Expert in building, maintaining, and deploying **Python** 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 **RESTful 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