

IAN CLARK

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TECHNICAL SKILLS

Programming Languages	Python, Go, C#, C, Javascript (Node & Vanilla)
Frameworks	Vue.js, Flask, Spring Boot, ASP.NET
Databases	MySQL, Redis, Postgres
Tools & Miscellaneous	Docker, Git, RabbitMQ, Gradle, Maven, ElasticSearch
Github	https://github.com/GrappigPanda

EXPERIENCE

VirtuCrypt January 2016 - Present
Web Application Developer (Full Stack) & Cryptographic Key Custodian

Rewriting a TCP duplexer in Go for a 3200% command throughput gain over Python.

Developing a new database application layer allowing the back-end API to transition from using a third-party CRM (Sugar) to Postgres greatly improving back-end and front-end performance and saving the company over 10,000\$ per year.

Architecting and building a customer-facing RESTful API (Python, Flask, Postgres) allowing cloud-based asymmetric key management, cryptography for point-of-sale devices, debit processing, and remote key injections.

Building customer-facing dashboards to utilize the back-end API in Vue.js and jQuery.

Increasing code test coverage for our main product by over 60%

Configuring and deploying Linux test, development, and production servers.

The University of Texas at San Antonio October 2011 - December 2015
Student Assistant promoted into Endowment Compliance after graduation

Training 85 employees on the function of Endowment Compliance and how to follow Texas and Federal regulations.

Ensuring 2.5 million dollars in annual disbursements were spent ethically, legally and responsibly.

Writing a program in Python to scrape data from an internal website to save the department 100s of hours of time

Automating the modelling (using Excel and VBA) of weekly donor gifts to save 100s of man-hours per year.

PERSONAL PROJECTS

Notorious Primary language: Go
Utilized technologies: Redis, MySQL, Docker

A feature-complete Bittorrent tracker used to serve Linux and BSD OS distributions. Implemented in Go using Redis to store and quickly serve (short-term) peer information, MySQL to track (long-term) peer information, and Docker for Continuous Integration and Continuous Deployment.

EDUCATION

The University of Texas at San Antonio
Bachelor of Business Administration in Economics Date of Graduation: May 2015