Philip Franchi-Pereira

Contact Info

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Skills

Python, GoLang, SQL, Bash, Java, AWS, GCP
Portuguese

Dev Tools:
Unix, Git, Vi/Vim, Eclipse, IntelliJ Idea, GoLand

Education

B.A.Computer Science
Bard College, May 2016

Experience

Software Engineer *at New York Times* *Aug 2019 - Present*

A part of a small team of experienced developers writing microservices that generate targeted ads for the New York Times homepage, using GoLang, Python, and the Google Cloud Platform. Currently designing ad logic to further customize user experience while maintaining request times under 150ms. Additionally part of a second team responsible for creating internal web applications that allow marketers to leverage data science to make smart decisions about which ads to display. Personally responsible for creating and maintaining parts of the infrastructure that supply terabytes of analytics data to the backend on a recurring schedule.

Back End Developer *- Random House* *Aug 2017 - July 2019*

Worked with a small team to create and maintain a micro-services based email sending engine capable of processing 1,000,000 emails per hour, using Java + Spring, DynamoDb, SQS, Lambda, and other Amazon services. Responsible for lowering monthly project upkeep costs by 70% by migrating from Kinesis to SQS and dynamically scaling DynamoDb tables.

Full Stack Developer *- Random House* *Jan 2016 - Aug 2017*

Interface with marketers in an Agile development environment to design, develop, and maintain internal marketing web-apps. These apps were built on a myriad of technologies, including Javascript, PHP, Java, and MySQL.

Research and Projects

Senior Thesis *Winter 2014*

Created the Phyro library, a port of a robot-api library onto a single board computer, using C and Python. Thisreduced function call time by up to 300%, without sacrificing functionality.

Bard Summer Research Institute *Summer 2015*

Chosen as the senior researcher for the Robotics Lab at BSRI, where I and a junior partner developed auto-calibrating camera/projector software for the IMP, a robot capable of allowing users to interface with augmented reality through physical experience.