Frank Camilleri

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Education:

NYU Tandon School of Engineering
Bachelor of Science, Computer Engineering
IEEEXtreme 2012 Top 100 - Class of May 2014

Stuyvesant High School
FIRST Robotics, Football Team
Class of 2010

Work Experience:

Full Stack Engineer/DevOps, MASS Exchange (New York, NY) **January 2014 – Present**

- Operated in a hectic, Linux powered start-up during its seed/pre-revenue phase as the first internal developer, starting out with absolutely zero working code.

- Using Agile/DevOps methodologies, constructed a complete web-based ad inventory control/exchange platform/campaign optimization tool hosted on AWS using the Java Spring Framework, Hibernate, MySQL, Apache POI, and a Node.js/JavaScript frontend utilizing jQuery, Backbone, SSL, Dust, Require, CSS/HTML, Bootstrap, AJAX, and other technologies, with a small team I had a key role in building.

- Built and maintained continuous integration and deployment pipelines using AWS CodeDeploy, AWS CloudFormation, Terraform, and Codeship.io, in order to ensure other developers can operate as independently and efficiently as possible and can take ownership of production-like environments for testing easily, while keeping cloud service costs as low as possible and making sure that changes could be deployed to production or demo environments at a moment's notice.

- Implemented fundamental internal development processes in order to optimize fastest time to market without sacrificing system stability using procedures/methodologies such as GitFlow, the Twelve-Factor App, and the Three Ways of DevOps to guide process decisions and shorten issue lead times with tools such as Git, JIRA, Hipchat and Confluence to help me to coordinate development and QA efforts.

- Wrote shell scripts in BASH and Node.js to ensure deployments were correctly configured, have all necessary dependencies, and to automate system administration tasks to keep other developers developing rather than wasting valuable time dealing with system-level minutia.

- Built most of the office development machines myself to further aid in cutting costs and to ensure that developers have all the processing power needed to develop our application without headaches.

Summer Intern, Interplex Industries (Hangzhou, Zhejiang, China) **Summer 2013**

- Worked in their Automation Department, where I aided in reducing defective products and keeping production running at all times by programming, assembling, and debugging PLC-based robotic assembly lines and automated machinery while learning about Lean Manufacturing and Six Sigma methodologies.

- Volunteered time after working hours to assist teaching English to Interplex employees in order to improve their communication skills with Western clients and other Interplex employees abroad.

Summer Intern, Princeton Information (Jersey City, NJ) **Summer 2012**

- Replaced PI's failure prone excel-based inventory control system with a Microsoft Access SQL application in order to help the company keep tabs on the company's nationwide hardware inventory.

- Helped IT department with ensuring that recruiters, sales staff, and managers were able to do business without interruption by providing help desk support.

Skills:

Object Oriented Programming	Unit/Integration Testing	Development Operations
Functional Programming	MySQL/MongoDB	CSS/HTML/Bootstrap
Shell Scripting/Automation	XML/JSON/CSV/YAML	jQuery/Backbone/Require
Linux (Ubuntu, RHEL, Amazon)	AWS, including API/SDK	REST/AJAX/JSOG
Git/Mercurial	Node.js/Javascript (ES2017)	Excel Automation
Java 8/Spring Framework	Hibernate ORM/QueryDSL	Package Management