

# Michael V. Battista

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## TECHNICAL SKILLS

### Programming Languages

**Competent:** HTML/CSS, JavaScript, Perl, PHP, Python

**Familiar:** C, C++, Java, Objective C, Shell Scripting

### Tools and Libraries

**Competent:** AWS, Docker, GCP, git, Github, Homebrew, MySQL, PostgreSQL

**Familiar:** Bootstrap, Django, jQuery, Kubernetes, MQTT, Node.js, SQLAlchemy

### Skills

**Competent:** Automation, Agile Methodologies, Code Reviews, Documentation, Pair Programming, Training

**Familiar:** Leadership, Project Management, System Architecture, Unit Testing

## PROFESSIONAL EXPERIENCE

**Paramount** (formerly ViacomCBS, CBS Interactive), New York, NY

### *Senior Python Software Engineer*

September 2019 – Present

- Established FastAPI web application API on top of cloud account asset database for 400+ AWS/GCP/Github organizations
- Augmented web application delineating organizational cloud usage of \$2.5 million monthly
- Authored internal architecture for authentication and credentials collection for CloudQuery asset population
- Redesigned frontend to utilize API endpoints for dynamic budget reporting pages on cloud utilization
- Streamlined asynchronous tasks for ingesting report files using Pandas and BigQuery
- Strengthened external dependency structure and security postures using Poetry, Snyk, and Github dependabot
- Engineered internal web application homepage for inner sourced applications with Okta login
- Targeted minor infrastructure-as-code changes using Terraform

**Percolate**, New York, NY

### *Sr. Technical Services Engineer*

August 2018 – August 2019

### *Technical Services Engineer*

January 2017 – August 2018

- Provided third party clients development methods to utilize proprietary API calls
- Refactored asset migration process into multiple Python class object-oriented modular undertaking
- Created repeatable approaches for importing and exporting client data objects with Python scripts
- Architected automation database orchestrator using SQLAlchemy for systematic migration and update tasks
- Identified areas in both internal and external API documentation necessary for refinement

**Karhoo**, New York, NY

### *Python Developer*

December 2015 – November 2016

- Responsible for integration with major third party taxi and livery dispatch systems for 30,000 US vehicles
- Produced and maintain comprehensive technical integration questionnaire and API documentation
- Served as local technical lead in the absence of development manager
- Mentored three engineering interns with code reviews, architecture planning, and project management
- Increased fleet onboarding efficiency for professional services team process with custom Django views and admin controllers
- Correlated testing and integration procedures with QA engineers to ensure successful testing
- Composed sustainable documentation with Postman libraries on integration calls

**Ogilvy & Mather**, New York, NY

### *Software Engineer, Neo@Ogilvy*

May 2014 – October 2015

- Automated ETL jobs for acquiring reporting data from third parties for multiple clients using Talend
- Replaced Talend jobs and components with object oriented Python classes utilized by scripts
- Communicated with internal customers concerning data requirements, processes, and quality
- Consulted on implementation direction of new Hadoop architecture developed offshore against current procedure

**MediaMath**, New York, NY

### *Software Developer - API*

July 2012 – April 2014

- Designed, developed and maintained components of a large back-end web application regulating \$100 million annually

- Quantified and improved test coverage and system performance
- Provided input and feedback for sprint planning and task estimation
- Participated in code reviews and design sessions with other team members
- Represented team work for development of HTML5 user interface
- Created SQL process to update 10000+ records from CSV file regulated through Perl in one process

**Michael C. Fina**, Long Island City, New York, NY

*Web Developer, Customer Facing Technology*

May 2011 - June 2012

- Developed websites using Interchange server and Perl utilizing Rose::DB
- Reviewed code and migration scripts for version control using git
- Migrated configuration data of 500+ clients across PostgreSQL databases
- Constructed reports and other special projects as needed and directed by manager

**Lockheed Martin, Information Systems & Global Services**, King of Prussia, PA

*Systems Engineer Associate*

August 2008 - August 2010

- Coordinator of Technical Resource Center handling facilities and technology matters
- Regulated request forms for budgeted amounts for University Relations totaling over \$1,000,000
- Assigned for temporary regulation, communication, and handling of website protocol
- Compiled realtime survey results for offsite data technology conference presentations
- Prepared and delivered weekly short speeches (3-5 minutes) on miscellaneous topics
- Instructed an eight week Perl self study group with PowerPoint lectures and example exercises

**Citigroup CIB/Corporate Desktop Support**, New York, NY

*Systems Administrator/Technology Intern, CIB*

Summers, 2005 & 2006

*Systems Administrator/Technology Intern, Corporate*

Summer 2007

- Provided support to professional group in resolving virtual trouble-tickets and software/service requests
- Set up new computers out of box for use on Citigroup network
- Developed administrative tool for selecting of available network computer names for domain
- Distributed upgrades of Windows operating system, Microsoft Office Suite, and Blackberry software

## EDUCATION

**Rensselaer Polytechnic Institute (RPI)**, Troy, New York

May 2008

Dual Major B.S. Degree in Computer & Systems Engineering and Computer Science | Minor in Electronic Arts

## PORTFOLIO

Personal portfolio summary available at <http://www.mvbattista.com>

Public GitHub page: <https://github.com/mvbattista>

Lecture at PyGotham 2018: <https://www.youtube.com/watch?v=3hPfJiuL-Ak>

## PROFESSIONAL REFERENCES

LinkedIn Profile: <http://www.linkedin.com/in/mvbattista>

Multiple professional references available upon request.