

Marcello Balboa

New York, New York

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OBJECTIVE

Software Engineer with a B.S. in Computer Engineering from Virginia Polytechnic Institute and State University.

EDUCATION

Virginia Tech, Blacksburg, VA

Aug 2014 – May 2019

- Degree Pursued: B.S. Computer Engineering (GPA: 3.22/4.00)
- Minor: Computer Science, Spanish

TECHNICAL SKILLS AND ABILITIES

Languages

- Proficient in: Python, JavaScript, Java, C#, C++, C, HTML5, CSS3
- Experience with: PHP, SQL, PostgreSQL, MATLAB, Swift, Ruby, Verilog, VHDL

Other

- Experience with: Django, Codefresh, Grafana, PromQL, Jenkins, Maven, Kubernetes, Docker, Linux, Git, IntelliJ, PyCharm, XCode, Visual Studio, Quartus II, WordPress, Xperf

WORK EXPERIENCE

Software Engineer, Capsule, New York, NY

December 2021- Present

- Software Engineer at Capsule on Team Vesto responsible for Capsule's Patient Page product - a web application that serves as a fully digitized front office experience for medical practices. Responsibilities included improving UX, software deployments and building new features uniquely tailored to medical practices. Assisted with company-wide initiatives focused on scalability and resiliency projects including load testing.

Software Engineer, Bank of America, New York, NY

July 2019- November 2021

- Software Engineer in the Global Banks and Markets line of business responsible for full-stack development of BoA's internal trading application Booking Tool which serves as the primary means for creating and maintaining OTC and listed positions. Assisted with orchestrating efficient large-scale software deployments, including testing features and correcting code. Other responsibilities included production support with our traders, marketers, and middle office personnel.

Security Solutions Engineer, Cisco Systems, RTP, NC

May 2018- August 2018

- Developed internal web and mobile applications to help with the automation of switch configurations. Focused on implementing products from Cisco's security portfolio such as ISE and TrustSec at an enterprise level. Monitored and collected all technical information and designed appropriate workflow for customers to meet their expectations.

Network Engineer, Genworth Financial, Richmond, VA

June 2017 – August 2017

- Responsible for implementing Simple Network Management Protocol (SNMP) and Syslog alerting rules for monitoring systems, configuring compliance policy rules (regex scripting) and creating and editing Visio documentation.

PROJECTS

Load Testing with K6

- Led initiative to load test Vesto's capacity for handling intake processing, appointment context, and database read/writes using the open-source load testing tool k6.

Booking Server Lite

- Created a lite version of BoA's internal trading application Booking Server that supports read-only API requests for internal trading data to help reduce the load from those queries on our main servers.