

SAMANTHA VINCI

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EXPERIENCE

BOND.CO

August 2017 - January 2018

Tech Lead

- Oversaw the rollout of "PenStation", a series of microservices that helped automate the fulfillment process in a new factory running 400 robots
- Designed a new system to allow for faster stationery ordering, wrote jira tickets and supervised other developers in the building of that system

Backend Software Engineer

November 2016 - August 2017

Built backend services for "PenStation".

WebHook

Node, MongoDB, Redis, SQS, SNS

- Sole developer of internal publish-subscribe service that controls all PS traffic, capable of handling over 253,500 messages a day
- Built a custom string interpolator to parse variables from incoming data and dynamically create different payloads for each subscriber
- Built libraries in NPM, Python, and PHP to allow Bond's clients & other teams to interact with WebHook

Conductor

Node, Socket.io, Redis, Python, RaspberryPi

- Sole developer of several socket based services that allow operators to send commands to and receive feedback from the robots
- Performed capacity research that helped lead to the final architecture

Batcher

Node, MongoDB, pdfkit, AWS

- Sole developer of microservices handling messages sorting, order cancellation, and pdf-generation
- Helped design the communication flow within PenStation

MOAT

August 2016 - November 2016

Solutions Software Engineer

TECHNICAL SKILLS

Languages: JavaScript/Node.js, Python, Git, Bash shell scripting

SQL/NoSQL Databases and Related: MongoDB, PostgreSQL, Redis, Mongoose, Sequelize

Libraries and Other Tools: Docker, AWS SNS & SQS, Hapi.js, Express.js, Socket.io, React.js

SIDE PROJECTS

Wadsworth

IoT, Hobbyist Hardware Hacking

- A set of APIs running on internal WiFi network that enable external control of various house tasks
- Twilio integration to text Eufy RoboVac and smart light to turn on/off, Amazon Alexa integration for voice control
- IFTTT geofencing integration to turn on smart light when near home around sunset

EDUCATION

Fullstack Academy of Code

May 2016 - July 2016

Fashion Institute of Technology, AAS & BFA

September 2009 - June 2013