

SAMANTHA VINCI

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EXPERIENCE

Backend Software Engineer

Bond.co

November 2016 - Present

Built backend services for "PenStation", a series of microservices that helped automate the fulfillment process in preparation for the opening of a new factory running 500 robots.

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.

Solutions Software Engineer

Moat

August 2016 - November 2016

Worked with Product Engineering team and Client Support team to scrutinize client reported bugs and implement fix, or if necessary, delegate to relevant stakeholder.

TECHNICAL SKILLS

Python	Flask, gunicorn, celery
JavaScript/Node.js	Hapi.js, Express.js, Socket.io, React.js
SQL/NoSQL	MongoDB, PostgreSQL, Mongoose, Sequelize
Bash	Git, shell scripting

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