Jared Kaczynski

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Education

- **University of Massachusetts Amherst** — Amherst, MA
  BS, Computer Science — *May. 2017*
  - Coursework in: Artificial Intelligence, Security, Networking, Software Engineering, Software Engineering Project Management, Web Development

Work Experience

- **Agero Inc** — Medford, MA
  Senior Software Developer — *Jul. 2019 - Present*
  - Architected a system for customer lookup using Python micro-services hosted on AWS using Lambda and templated using Serverless Framework.
  - Migrated multiple major clients to new customer lookup and event notification architectures successfully while managing the challenges unique to each individual client API.
  - Provided multi-region capability enhancements to services and canary rollback options to prevent unscheduled downtime and allow for interruption free updates.
  - Updated and optimized existing Python services by migrating Kinesis based events to EventBridge reducing complexity and extending functionality.
  - Implemented temporary custom rate limiting of messages to client endpoints using SQS and scheduled events.
  - Wrote and improved on Azure DevOps pipelines to automatically validate and deploy updated code in a repeatable manner.
  - Refactored fragmented Python based services to common architectures utilizing a MongoDB database to improve maintainability.

- **Comet Software** — Charlton, MA
  Software Developer — *Aug. 2018 - Jul. 2019*
  - Created automatic purchasing software in Java with JavaFX as a frontend for various online platforms including Shopify, Big Cartel, Big Commerce, and Walmart.
  - Developed back-end services to handle licensing and user authentication using Java-Spring.
  - Used Microsoft Azure service platform to provide a reliable and feature rich back-end with subscription management and remote tasks.

- **Verizon Labs** — Palo Alto, CA
  Software Developer Intern — *June 2016 - Aug. 2016*
  - Implemented hybrid Wi-Fi location service for Android devices.
  - Developed micro-service unit testing framework in GoLang with integration to read state from Apache Cassandra and inspect micro-service messages from Apache Kafka.

Personal Projects

- **Disney Assistant** — Apr. 2018 - Jul. 2020
  - Reverse engineered Disney Mobile App API to allow reservation and search.
  - Built a Java library for extensible use in variety of applications, with some optimizations for multi user use cases.
  - Created web service layer using Java and websockets to allow ability to request and retrieve Fastpasses while mobile in a park.
  - Created web frontend using Bootstrap and ReactJS to allow for presentable user view and remote requesting of Fastpass reservations and live updates.
  - Extended with support for virtual queue systems using Dockerized workers to allow for optimal entry into attraction queues with live updates shown on the dashboard.