

JARED CULP

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EXPERIENCE

Grow Therapy
Staff Software Engineer

Willow Grove, PA
Jan 2022 - Present

- Grow Therapy enables therapists to build and run their own private practices, while also helping make mental healthcare more accessible and affordable for the general public

Oracle
Principal Application Engineer

Philadelphia, PA
Mar 2021 - Jan 2022

- Implemented consumer-driven contract testing of system components across multiple teams.
- Built the next generation of our flagship product, the Home Energy Report (HER), using Spring Boot, GraphQL and React.
- Modernized our internal batch processing framework to use Docker, Hashicorp's Nomad and Vault, and other cloud-native technologies.
- Built visual regression test infrastructure using server-side react, storybook and loki, which allows temmates to build storybooks for our ever-increasing complexity of modules (single unit) and reports (collection of units).

Oracle (acquired Opower)
Senior Application Engineer

Philadelphia, PA
May 2016 - Mar 2021

- Core contributor to our outbound platform, which delivers millions of targeted communications / week.
- Led development of our outbound delivery and engagement data pipeline. The system bridges several external vendors with our internal systems using RabbitMQ, Spring Batch jobs, and microservices. At peak load it ingests millions of data points per day.

Opower
Software Engineer

Arlington, VA
Apr 2015 - May 2016

- Helped design and build several backend services which supported ad-hoc delivery of communications in support of our outbound SDK initiative. The project was terminated, but these services were repurposed to deliver hundreds of thousands of communications per week for several key clients.
- Redesigned legacy microservice stack, enabling migration from an internal framework to Dropwizard and from Java 7 to 8. This involved extracting core functionality and build configuration into two separate plugin-based architectures. A migration guide was provided to facilitate other developers.

Opower
Associate Software Engineer

Arlington, VA
Jul 2014 - Apr 2015

- Built a new preference management system which allowed migration from a single-tenant monolith to a multitenant system. Enabled the development of several client feature requests, which were not possible on the old system.

EDUCATION

University of Virginia
BS Computer Engineering

Charlottesville, VA
2010 - 2014

SKILLS

Languages: Java (expert), Javascript / Typescript (proficient), Python (proficient), Shell (competent)
Libraries: Dropwizard, Spring Boot, Flask, Graphene, React, SQLAlchemy, Storybook, TailwindCSS
Expertise: Distributed systems, contract testing, API design, architecture, batch processing
Leadership: Rapid iteration / prototyping, written / verbal communication, mentorship, flexibility
Tools: Docker, MySQL / PostgreSQL, RabbitMQ, AWS, Splunk, Datadog, Pagerduty, Git

PATENTS

Energy Audit Device (US WO2017024194A1)

<https://patentimages.storage.googleapis.com/07/d7/3f/a2a1f554cc2ee9/WO2017024194A1.pdf>