

# Jake Sikora

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## Skills

Basic	Advanced	Expert
HTML, CSS, JavaScript, PHP	Bash, SQL, Terraform, Ruby	Python, Java
Kubernetes, Cucumber, Robot Framework	Git, CircleCI, Prometheus, Kafka, PostgreSQL, MySQL, MongoDB, Aerospike, Docker	Testing, Architecture, Quality, Agile, Mentoring
Google App Engine, Google Cloud Run, Google Container Registry, Google IAM	AWS Batch, AWS IAM	Amazon S3, Amazon EC2, Amazon SQS, Amazon Kinesis, AWS Lambda, AWS Step Functions

## Work Experience

### Jiobit - Chicago, IL (B2C: Wearable Location Tracker)

#### Senior Platform Engineer (August 2021 - October 2021)

- Worked with firmware, mobile, and full-stack engineers to transition from Jenkins to CircleCI in order to parallelize CI/CD pipelines in the cloud.
- Worked heavily with QA to create a new integration testing suite using Java and TestNG which replaced the existing Newman test suite.

### SpotHero - Chicago, IL (B2C / B2B: Digital Parking App)

#### Senior Engineer I, Backend (October 2019 - July 2021)

- Worked on the checkout and redemption flow of our Django Monolith and rewrote portions of the C# Integrations API in Kotlin.
- Designed new architecture and coding patterns for the Django monolith using the RAPID framework.
- Led project to fully monitor Integrations API with Prometheus and Alertmanager.
- Led initiative to reduce engineering pain-points exacerbated by working fully-remote due to the pandemic. Collaborated with members from Product, Engineering, and Agile to create a new agile workflow to handle issues ranging from small code refactoring stories up to large-scale feature additions with architectural changes.
- Mentored a Backend Engineer II in programming principles, agile workflows, code reviews, testing, and general engineering practices on a daily basis for half a year.
- Mentored a Senior IT coworker in Python. Met on a weekly basis—for nearly a year—to work through his current struggles, discuss the python standard library, object-oriented programming and other programming principles. Also collaborated outside of these sessions to create a python application which streamlined the onboarding process for new hires. This application was later adopted by the DevTools team allowing them to retire some of their legacy workflows.

## Signal Digital Inc. - Chicago, IL (B2B: Enterprise Tag Management and Identity Management)

### *Senior Software Engineer (April 2019 - August 2019)*

- Reduced the company's Amazon expenses by leveraging AWS Lambda, AWS Batch, and AWS Step Functions allowing us to dramatically reduce spending on Amazon EC2, providing a cheaper way to handle our typical high-volume and bursty traffic.
- Reduced the support burden of legacy applications from several high-urgency alerts a week to one high-urgency alert every few weeks through refactoring tech debt and prioritizing resolving the root cause of alerts as they arose.
- Reduced toil by automating labor-intensive workflows with bash scripting.

### *Software Engineer II (January 2016 - April 2019)*

- Designed, developed, and maintained tools to facilitate self-service reporting for client services, finance, and management using Python, Ruby, and Backbone.js.
- Designed and created a new standard for response structures across the Python reporting applications.
- Designed and developed an application (Contribution Reports) to perform historical analysis on the identities purchased from vendors. This application was written in PySpark and was leveraged by management to determine the relative value gleaned from each vendor to help influence future purchases of data.
- Parallelized cucumber behavior tests which reduced the runtime from 4 hours to 30 minutes.
- Pair programmed with more-junior engineers to help reinforce good programming practices.
- Hosted bi-weekly sessions with junior, mid-level, and senior engineers to practice technical interview questions. These sessions were focused on algorithms and data structures but had the occasional architectural question.
- Onboarded several new coworkers into the engineering department and served as a resource for newcomers with questions.

### *Software Engineer I (July 2014 - January 2016)*

- Developed full stack features in enterprise tag management software using PHP, JavaScript, and Java
- Added GSON as the main serialization library for our backend Java API.
- Rebranded the front end from The Brighttag to Signal.
- Maintained and supported internationalization for the tag management front end.

### *Apprentice Software Engineer (January 2014 - July 2014)*

- Developed front-end features and fixed bugs for our enterprise tag management software using PHP and JavaScript.

## **Education**

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### Devbootcamp (2013)

Immersive web development program using Ruby on Rails and JavaScript as a foundation to teach techniques to learn new programming languages quickly and effectively.

### Rose-Hulman Institute of Technology (2006-2008)