

Paul Hutchinson
Software Engineer
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EXPERIENCE

Label Insight Chicago, IL

Software Engineer, Team Lead

Aug. 2015 – Present

- Engineer and Scrum Master on a cross-functional team in charge of architecting, developing, scaling, and maintaining a customer facing event-driven data editing and versioning platform
- Responsible for weekly reports on team velocity and sprint goals
- Mentor to several engineers and tasked with training new hires on the codebase and system architecture

Technologies

- Languages: Java 8 (Spring Boot), ReactJS, Python 2.7
- Services: AWS, CircleCI, Artifactory, Kibana
- Other: Elasticsearch 5.1, MySQL 5.6, Terraform, Maven, Git

Project Dragonfly

Oxford, OH

Software Engineer

Jan. 2013 – Aug. 2015

- Developed backend solutions for interactive kiosks aimed at raising awareness of conservation efforts
- Bootstrapped machines and worked with electricians to install kiosks at various zoos around the country
- Trained graduate student workers and coordinated work efforts to meet grant timelines and goals

Technologies

- Ruby on Rails 3, MySQL, Jenkins, Git

EDUCATION

Miami University

Oxford, OH

Bachelor of Science in Computer Science

Dec. 2013

Relevant Coursework

- Bioinformatics, High Performance Comp., Heterogeneous Cloud Comp., Simulations

Achievements

- Research Assistant of Professor Daryl Baldwin, recipient of the 2016 MacArthur Fellow Genius Grant
- Implemented a database solution with historic medical badge data for the American Red Cross

PROJECTS

Event-Driven Data Verification, Editing & Versioning Platform

- Engineered a customer facing data verification platform that improved scalability and reduced the median customer processing time by more than half
- Worked with messaging queues, serverless lambdas, NoSQL, and Elasticsearch to improve data throughput
- Collected analytics and generated monitoring and analytic dashboards using Kibana and Looker

Data Aggregation and JSON Merging Library

- Constructed a Java library with logic defining merging strategies for objects
- Architecture and design was patented by my employer for its efficacy

Infrastructure-As-Code Initiative

- Assisted in leading an initiative to develop Terraform scripts for several dozen codebases
- Improved a build pipeline using CircleCI by integrating scripts that created and updated infrastructure

Continuous Data Indexing Service

- Developed a data indexing service with event-driven technologies to improve performance and accuracy
- Automated intricate data aggregation strategies and optimized scaling solutions to reduce cost

INTERESTS

- Cryptocurrency trading/mining, high performance trading and technical/predictive analysis, overclocking