

# Robert Kaufmann

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## SUMMARY

Innovative and resourceful technology leader with a broad technical skill set, very strong attention to detail, and over a decade of experience. Known for excellent troubleshooting skills and the ability to leverage diverse background in security, user experience, machine learning, analytics, and marketing to architect and deliver unique solutions to complex problems. Always seeking new challenges, whether it be the development of new products or working with an existing team to increase quality and efficiency.

## EXPERIENCE

### Sidecar

<b>Director of Engineering</b>	2018-04 to 2018-09
<b>Director of Technology Operations</b>	2017-04 to 2018-04
<b>Senior Software Engineer   SRE Team Lead</b>	2014-09 to 2017-04

Recruited to lead development of client-facing dashboard responsible for delivering overview of client KPIs and customized recommendations based on data from multiple internal systems. Rapidly promoted due to strong drive, technical knowledge, and leadership performance. Led action focusing on development quality, adding additional insight into production systems, lowering operational costs, security, and providing easy access of data to all departments. Worked closely with Engineering leadership and other stakeholders to grow the engineering team, increase communication, and develop a healthy working culture.

- Increased size of engineering team by 200% and added dedicated Testing, SRE, UI, and Data Engineering teams through collaboration with internal recruiting team and revamping hiring plan, job descriptions, interview structure, and the onboarding process.
- Eliminated virtually all manual after-hours system monitoring and decreased product downtime by providing development team with additional insight and alerting through integration of DataDog, Sentry, and ELK stack. Additionally, worked with project management, development teams, and company-wide stakeholders to create workflow for communication and handling of incidents.
- Created initiative to decouple and re-architect ingestion, storage, transformation, and retrieval of data across company's product to allow faster iteration during development of new product features and provide teams from all departments access to data without a requirement for custom development.
- Supervised transition of legacy applications from co-located servers and AWS instances to new production, staging, and testing Kubernetes environments.
- Architected and led project to centralize system and client configuration. The increased control and insight allowed the company to iterate faster while catching more bugs before they impacted clients.
- Created real-time rules engine which integrates existing Sidecar tracking solution with Facebook tracking pixel to send custom events based on the visitor's interactions and historical product performance of a given page or brand.

### WebiMax

<b>Senior Internal Developer</b>	2011-04 to 2014-09
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Developed internal systems to support and improve client acquisition, lower client churn, increase developer efficiency, and provide additional insight into business and client KPIs. Mentored and trained development team in multiple programming languages, platforms, and best practices.

- Architected, developed and participated in design of multiple website analysis applications that became the company's primary lead generation source.
- Proposed, architected, and led development of system to reduce the cost of link reclamation service by 40%
- Lowered client churn by developing system which monitored multiple analytics sources to determine overall client health and alert on any irregularities.
- Developed system which dramatically streamlined client onboarding, provided increased insight into business performance,

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and calculated profit-sharing with partners by integrating Basecamp, Salesforce, and Quickbooks

- Built advanced scrapers using Node.js and CasperJS capable of determining: responsiveness, analytics products used, and overall site health in relation to SEO.

## Accensus Security Group

**Co-founder and COO**

2010-01 to 2011-07

Founded company focused on using new and novel automated approaches to vulnerability research to lower cost and time required to identify and patch bugs in commercial software. Performed hands-on research and development while handling day to day operation of company. Represented and marketed the company at various events, trade shows, and meetups.

- Contributed to research and development of internal automated vulnerability research framework allowing rapid identification of potential vulnerabilities.
- Researched, acquired and configured dedicated servers optimized for penetration testing and vulnerability research.
- Analyzed 3rd party software for bugs and vulnerabilities. Developed multiple proof of concept exploits to showcase the details and severity of identified vulnerabilities.

## GEM Enterprises

**Systems Analyst**

2009-04 to 2010-09

Researched and evaluated technology solutions and presented recommendations to meet clients' needs. Performed data analysis, testing, debugging, disaster recovery and problem resolution for clients. Maintained and supported systems for clients, including software, servers, and network equipment.

- Recommended and implemented overhaul of networking and infrastructure equipment for multiple client companies.

## The Darkroom Studios

**Technical Manager**

2005-10 to 2008-03

Managed facility, ran customer training programs, assisted with sourcing, order management, and delivery of B2B and B2C sales. Provided phone and on-location consultation regarding the acquisition, repair, and maintenance of high-end photographic hardware and software. Maintained in-house industrial photographic equipment, software, and facilities.

- Supervised design, construction, and relocation of business to upgraded facility providing new on-site capabilities while owner was unavailable for extended period of time.
- Architected and developed internal resource scheduling application and company website.

## SKILLS

### Backend Languages & Frameworks

Python, Elixir, Clojure, Javascript, Go, PHP

### Databases & Messaging

PostgreSQL, MySQL, Redis, Etcd, InfluxDB, SQS, RabbitMQ, DynamoDB, Athena, Hive, MongoDB

### Platforms

AWS, Linux (Arch, Debian, CentOS), Kubernetes

### Frontend Languages & Frameworks

React.js, Clojurescript, Elm, Sass

### Engineering Tools

Docker, Ansible, DataDog, ELK, Terraform, Git, Vagrant, Packer, Webpack, Airflow, Sentry, Grafana

### Misc. Tools

JIRA, Confluence