

RYAN PARK

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PROFESSIONAL SUMMARY

Software engineer and leader with 16 years of experience, most recently focused on DevOps and infrastructure. I enjoy “wearing many hats” at early-stage companies to efficiently solve a wide variety of challenges. I began Pinterest’s DevOps discipline when I joined as their 9th employee. Although I gained management expertise at Runscope and Slack, I’d like to move back to hands-on engineering.

RECENT EXPERIENCE

Slack **2016-2018**
Senior Manager, Storage Engineering

- Managed the DevOps engineering team that were the first responders for thousands of MySQL databases, Solr search, and Kafka messaging servers. Grew the team from 2 to 6 engineers, in San Francisco and Dublin (Ireland), with 2 promotions and no attrition.
- Led the [rollout of Vitess clustering middleware](#) which enabled Slack to scale MySQL horizontally, allowing Slack to grow its single largest enterprise customer 30-fold.
- Managed the [re-architecture of Slack’s search backend](#), which improved 90th-percentile response time by 83% and reduced operational cost by 68%.
- Presented at the Dublin DevOps Meetup and AWS Summit San Francisco. Organized a Slack recruiting/tech talk event in Dublin.
- Gained hands-on experience with AWS, Python, MySQL, Solr, and Redis.

Runscope **2013-2016**
Principal Infrastructure Engineer and Engineering Manager

- First employee at Runscope, an API monitoring and testing service. Directly responsible for infrastructure engineering and technical operations.
- Wrote microservices and web-based developer tools with Python/Flask/Knockout.js, including:
 - Configuration management and deployment, leveraging Puppet, DynamoDB, and Jenkins
 - Monitoring and metrics, backed by Ganglia and Graphite
 - Fair job queuing atop Redis (Runscope’s busiest microservice with 12,000 requests/sec.)
 - Customer-facing search indexing and querying, with an Elasticsearch backend
- Managed two other DevOps/infrastructure engineers: guided the team’s vision and direction by conducting regular 1:1 meetings, planning projects, and coordinating work with other departments.
- Oversaw vendor relationships and operational costs. Reduced hosting cost per customer by 71%.
- Presented on microservices, Amazon DynamoDB, and startup operations at the O’Reilly Fluent conference, the AWS Loft, True University, and the AWS Podcast.
- Recognized as an [AWS Community Hero](#) for public involvement with Amazon Web Services.

Pinterest **2011-2013**
Technical Operations Lead

- First DevOps engineer at Pinterest as it grew faster than any other social network in history.
- Introduced configuration management, using Puppet. Developed a custom REST API with Python/Flask to integrate Puppet with other services.
- Built Pinterest's first metric collection infrastructure and monitoring infrastructure.
- Primary MySQL DBA. Migrated all of Pinterest's database servers to solid state disks, which improved application latency and reduced database costs by 78%.
- Deployed Amazon Web Services' auto-scaling and spot instance functionality to serve production traffic, which allowed Pinterest to optimize its technical resources by improving operational efficiency. Amazon CTO Werner Vogels recognized this work as an exemplary use of spot instances.
- Selected infrastructure vendors and negotiated contracts, which helped reduce operational cost by 64% (per page view).
- Public evangelist for Pinterest Engineering. Gave technical talks at PuppetConf and AWS re:Invent. Featured speaker in [Werner Vogels' keynote at AWS re:Invent](#) and AWS Summit NYC.

PBworks **2009-2011**
Head of Operations & IT (2010-2011), Front-End Web Engineer (2009-2010)

- Directly responsible for keeping the PBworks web application online. Resolved operational problems quickly and independently while on-call 24/7.
- Owner and manager of data center hardware operations, Linux administration, MySQL database administration, network management, and procurement.
- Initiated and completed projects including: optimizing email delivery rates, developing a customer-facing backup feature, and reducing disaster recovery time by 2 weeks.
- Created and refined features as a front-end engineer for larger educational and enterprise customers. Simplified customer onboarding and to improve the conversion rate of free trials by spearheading a usability initiative. Developed data warehouse and Real User Monitoring tools for internal use.
- Gained experience with PHP, HTML5 and CSS, JavaScript/jQuery, Puppet, MySQL, and Linux.

Amazon.com **2008-2009**
Senior Software Engineer, Retail Customer Experience

EDUCATION

M.S., Computer Science **2008**
Stanford University

B.B.A., Information Systems **2001**
The George Washington University