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Summary

20 years of developing software, technical leadership, and product management. Experience working remotely in environments ranging from a giant multinational corporation to a tiny bootstrapped startup.

Specialties: Node.js (JavaScript), SQL, AWS Stack, Product Engineering

Experience



Co-Founder and CTO

Giverrang

Dec 2020 - Present (1 year 9 months +)

- Created new product to help local businesses compete in the gift card market
- Deployed SaaS solution using Amazon Web Services including CloudFormation, CloudFront, Cognito, ECS, Lambda, RDS, Route 53, S3 and SES
- Implemented ecommerce front-end using AlpineJS and Mustache templates
- Implemented back-end gift card ledger using NodeJS, GraphQL, REST, and PostgreSQL



Technical Product Manager

Signpost

Aug 2019 - Dec 2020 (1 year 5 months)

- Doubled number of positive reviews generated for businesses on Google, Facebook, and Yelp
- Doubled number of customers referring their friends to business services
- Cut configuration errors in half with better reporting and notifications
- Tripled number of customers opting-in to SMS marketing using text-to-speech IVR



Team Lead

Signpost

Feb 2017 - Aug 2019 (2 years 7 months)

- Interviewed, hired, mentored, and managed a small team of engineers
- Built and maintained a data warehouse using AWS Redshift with ETL from 20 sources
- Created internal system used to drive business processes with SQL reports
- Implemented review monitoring system with NodeJS on AWS Lambda
- Added integrations with 4 SaaS APIs to local business product



Software Engineer III

Signpost

Feb 2014 - Feb 2017 (3 years 1 month)

- Designed and built a federated web authentication system.
- Built a bespoke ORM system using NodeJS
- Architected and built an email sending engine processing more than half a million emails every month.

- Administered and configured various Amazon Web Services, including CloudWatch, Config, DynamoDB, EC2, IAM, RDS, S3, SES, SNS, and SQS.
- Worked on a large B2B Ruby on Rails application integrating with a variety of external services, hosted on Heroku and AWS.



Senior Software Engineer

SmartBear

Aug 2006 - Jan 2014 (7 years 6 months)

- Joined start-up as 5th employee and grew company to acquisition in 2009.
- Created Collaborator (<http://smartbear.com/products/software-development/code-review>) web application using Google Web Toolkit (GWT) and Javascript/HTML/CSS front end, Java servlets and bespoke ORM system connecting to Microsoft SQL Server, Oracle, and MySQL databases.
- Developed Eclipse plugin with Eclipse 3.2 thru 4.3, integrating with plugins from Tasktop, Perforce, Accurev, Clearcase, and several open source SCM plugin providers.
- Developed cross-platform command-line, tray notifier, and GUI client applications using Eclipse RCP/ SWT and XML-RPC communication with a server.
- Architected core internal frameworks, Ant-based build systems, and tools. Integrated product with several version control systems.
- Evangelized company at trade shows and customer demos.
- Communicated daily with customers over phone and email.



Staff Software Engineer

IBM

Jul 2001 - Aug 2006 (5 years 2 months)

- Contributed OSGi reference implementation of Declarative Services to Eclipse.org.
- Created commercial Eclipse plugin for developing OSGi bundles (now part of Eclipse PDE).
- Pioneered adoption of Eclipse.
- Scaled down Websphere Application Server to run on mobile devices.
- Delivered presentations to 5 levels of management.



Intern

IBM

May 2000 - Aug 2000 (4 months)

Education



The University of Texas at Austin

BS, Electrical Engineering

1997 - 2001

Skills

GraphQL • PostgreSQL • AWS CloudFormation • Amazon S3 • Software as a Service (SaaS) • Software Development • Node.js • Amazon Web Services (AWS) • Product Management • Web Development