BENJAMIN D SCANNELL

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Passionate, self-driven software engineer with 10+ years of full-stack web, mobile and platform technologies experience, seeking to make an impact as a Senior Software Engineer bridging teams and disciplines.

EXPERIENCE

May 2014 – Mar 2020   *PicMonkey, LLC*   *Seattle, WA*

Software Engineer

- Enhanced SEO on landing pages using Buildkite-specialized pipelines, Kubernetes, and Gatsby build and deployment mechanisms, increasing our overall footprint from 100's to 10,000's
- Single-handedly designed, generated buy-in, and built new VPC and Kubernetes Cluster in AWS for Production and QA environments using Cloudformation and EKS
  - Migrated DotCom Infrastructure (Nginx,Django,MySQL) from Chef into the new cluster
  - Coordinated with QA and DotCom teams to upgrade and migrate legacy AWS RDS MySQL systems into the VPC, reducing security exposure according to AWS best practices
- Accelerated QA by replicating our frontend test environments from 1 to 3. Automating QA deployments using Slack Chat Bot, Buildkite, and Ruby Rake. Separated the backend databases (MySQL, Spanner, Redis) using Kubernetes Kustomize, Golang, YAML, and Ruby Rake.
- Built Android PicMonkey App in Java, integrated with services using Protobufs, spec'd and instrumented Google Analytics, created filters and effects using C++, Skia and OpenGL, and created a build pipeline using Ruby (Rake), Buildkite, Google Deployment Manager
- Enhanced infrastructure and improved software quality by creating monitoring dashboards and alarms using Prometheus, Cloudwatch, and Stackdriver for Production and QA utilization and queue depth
- Designed and implemented a Kubernetes ETL from an AWS RDS MySQL database into Google Big Query for BI teams using Golang.
- Designed and built a websocket chat infrastructure to support Android/iOS using Node, Protobufs, and Java

Mar 2012 – May 2014   *ESPN via Rooster Park, LLC*   *Seattle, WA*

Software Engineer for Contract

- Collaborated Design of next generation RESTful CDN Edge server using Java, OAuth and WRML.
- Integrated Paypal and Docusign into Java Spring Boot app delivering end-to-end contract and payment.

Sept 2010 – Feb 2012   *Lockerz.com, LLC*   *Seattle, WA*

Software Development Engineer

- Built and shipped an Auction Service using Java, ICE, Hibernate, Memcache, MySQL.
- Reduced the cost footprint to run the website by 50% by improving parallel processing.
- Coordinated technical stacks for front-end, operations, and back-end teams and triaged high severity issues, including a caching bug that caused registration details to leak and bot IP isolation.

July 2007 – May 2010   *Amazon.com, Inc*   *Seattle, WA*

Software Development Engineer

- Designed and implemented cross-provider analytics solution for MDotcom White Label project for Google Analytics and Omniture.
- Tracer with Platform Team to create new solutions using Spring, JSP and Decorators/Interceptors to replace Mason.
- Built Fraud detection workflow service using Java, JBPM, Oracle DB, Spring and JSP.
- Built and Documented deployment process for Discovery Team using Java, Perl and Wiki.

Jan 2006 – Sept 2006   *Research In Motion*   *Seattle, WA*
Software Development Intern
- Built a billing and usage report generator using Perl, DBI and Sybase.
- Designed and built a tracer for proxying a private API using Java, Tomcat and extracted keys.

EDUCATION
2002–2007   *University of Washington*   *Seattle, WA*
B.S., Computer Engineering

SKILLS
Languages: Python, Golang, Java, Bash, Ruby, SQL, HTML, CSS, Javascript
Technologies: SEO, Chef, Kubernetes, AWS, Google Cloud, DNS, Django, Websockets, Pub/Sub, Android
Interests: Deep Learning, Mentoring, Soccer, Tech Law