Christian **Blades**

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Work Experience

Pindrop
Atlanta, GA

STAFF SOFTWARE ENGINEER, TEAM LEAD
March 2016 – Present
- Designed and implemented a tool to capture and classify core dumps from ephemeral containers to enable debugging and analysis of crashes that only appear in production.
- Made feature extraction and prediction stable and efficient, decreasing cost and maintenance time.
- Rewrote several extractors in Rust, decreasing cost.
- Taught a weekly Rust language class as part of the Pindrop Learning initiative to share knowledge and skills across the organization.
- Implemented streaming audio encoding, decreasing bandwidth usage and improving customer experience.
- Created a backend for customers to manage fraud cases.
- Created a new algorithm and data structure for glob-style blacklist matching. This brought down match time from a minute for a set of 100,000 patterns down from 85 seconds to 100ms.
- Designed a service to cache relevant data for risk predictions to avoid costly database transactions in a resource-constrained environment.

CareerBuilder
Atlanta, GA

SENIOR SOFTWARE ENGINEER
Feb 2015 – March 2016
- Built the company's first containerized platform, enabling engineering teams to own their own deployments and repeatably deploy microservices.
- Designed and built structured log aggregation, providing application visibility to engineers and ops.
- Designed and build software defined routing with high availability so that engineers could control their own deployments.
- Introduced golang as a first-class language
- Designed and implemented push-button cluster deployments so that new regions were simple to deploy, and existing regions had disaster recovery options.

ENGINEERING MANAGER, LUCEO PLATFORM
July 2014 – Feb 2015
- Lead a remote Ops team maintaining cloud-based servers.

ENGINEERING LEAD, JOB DISTRIBUTION SERVICES
October 2013 – July 2014
- Built the Requisition API, providing an off-platform method to create job postings on CareerBuilder properties.

ENGINEERING LEAD, RESUME DATA DEVELOPMENT
May 2013 – October 2013
- Maintained the Resume Database products which deliver relevant candidate data to recruiters.

SOFTWARE ENGINEER III, PLATFORM SOFTWARE
January 2011 – May 2013
- Maintained email bounce handling, enabling job advertisement delivery to potential candidates.
- Built a Geography system for the CB platform, enabling relevant job and candidate search, as well as other location-aware services.
- Designed and built a large-scale search document replication system to enable fast rebuilding of search clusters.
- Built "assume role" to enable customer success to assist clients.

Skills

Programming Languages: Rust, Golang, Python, C, Ruby, PHP, Java
Protocols I know too well: HTTP, AMQP 0.9.x, Redis
Other Technologies: Kubernetes, Docker, RabbitMQ, Redis, PostgreSQL, MySQL, StatsD, Bash, Linux

Education

Southern Polytechnic State University
Marietta, GA

SOFTWARE ENGINEERING
Sep 2011 – May 2014

Kennesaw State University
Kennesaw, GA

COMPUTER SCIENCE
Sep 2008 – May 2011