Bill Burket

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Experience

SENIOR AND LEAD SOFTWARE DEVELOPER | ZULILY | SEPT 2016 – PRESENT

- **Lead SRE Team**
  - Migrated org to AWS from Rackspae
  - Build the underlying development platform including:
    - ELK logging cluster (Elasticsearch, Logstash, Kibana)
    - Telgraf/StatsD -> openTSDB -> Grafana metrics pipeline
    - AWS-Hosted Kubernetes cluster (120 servers)
  - Defined standards and best practices for developing Microservices
    - Golang, Java, and NodeJS
    - Defined standards for emitting metrics and logs so platform could be language agnostic
    - gRPC and REST
  - Built CICD pipeline
    - Build, Containerize, Test, Deploy staging and integration
  - Provide guidance to entire org on architecture best-practices
- **Lead Catalog Team**
  - Built and lead development of central product catalog for company
  - Mongo, ElasticSearch, Microservices
  - Worked across Zulily to move teams to use new catalog
  - Migrated away from legacy monolith
- **Lead Effort to Integrate Inventory across Zulily**
  - Lead effort across multiple orgs within Zulily
  - Realtime inventory-streaming using Kinesis

SENIOR SOFTWARE DEVELOPER | NORDSTROM | NOV 2015 – SEPT 2016

- **Served as technical lead on a micro-service architected enterprise platform**
  - AngularJS Front-end and .NET backend
  - Developed, shared, and drove best-practices across multiple teams
  - Java, GoLang, and NodeJS web services. Helped drive adoption of GoLang at Nordstrom
  - Developed and implemented multi-phase plan to migrate team away from legacy MDM system to modern AWS-based cloud architecture

SENIOR SOFTWARE DEVELOPER / CLOUD ARCHITECT | GLYMPSE | SEPT 2014 – NOV 2015

- **Architected, designed, and implemented back-end services**
  - .NET stack
  - SQL Server 2014

- o Leveraged open-stack technologies such as Redis, Kafka, and Docker
- **Built high-scale services**
    - o Thousands of transactions per second
    - o Decoupled, heterogeneous architectures (Windows & Linux)
    - o Built on top of AWS services
- **Led team in re-architecting monolithic architecture into modern docker-based microservices**
    - o Architected for horizontal scalability – allowing services to match custom demand in real-time
    - o NodeJs / Express
    - o Python
    - o Linux Docker containers

SOFTWARE DEVELOPER | MICROSOFT | FEB 2008 – SEPT 2014

- **Cloud Development**
    - o Build customer facing UX using cloud-based storage and web solutions
    - o Fast and dynamically scaling web and service architectures built on top of Microsoft's Azure cloud technology
    - o Multiple storage technologies including Blob storage, table storage, and replicated SQL instances
    - o Drove usage of coding standards and practices across teams
- **Web development**
    - o Worked on customer facing website for Microsoft (http://www.dev.windowsphone.com)
    - o Deployment automation, Windows Azure integration, integration with backend-services
    - o Security and encryption champion
    - o Client-side telemetry and BI
- **Data ingestion services**
    - o Architected and developed large-scale service for collecting remote user telemetry
    - o Highly scalable mission critical services
    - o Use Microsoft's proprietary map-reduce solution to filter and aggregate large amounts of data (multiple TB / day)
- **Location inference**
    - o Web service for device positioning
    - o Implementation of AGPS web service
    - o Processing of large-scale, crowd-sourced data
    - o Patents owned by Microsoft in my name

SOFTWARE DEVELOPER | EXCELL DATA SERVICES | JULY 2007 – FEB 2008

- Working as contractor at Microsoft
    - o Webservice which integrated with Hotmail for displaying Visual Voicemail
    - o Highly scalable, high availability

SOFTWARE DEVELOPER AND IT | GLOBAL DATA SERVICES | NOV 2003 – JULY 2007

- Developed proprietary web application for in-house customer service representatives
- Maintained and integrated with large scale database (millions of users)
- Maintained IT infrastructure (backup, SQL installations and maintenance, license management)

SOFTWARE DEVELOPER | QSPEED SOLUTIONS | JULY 2002 – NOVEMBER 2003

- Small start-up focused on Web development
- Worked on large-scale job board website
- PHP, SQL Server, C#

Education

BS SOFTWARE ENGINEERING | 1998 - 2002 | OREGON INSTITUTE OF TECHNOLOGY