Devon Ring

New York, New York
Email: devon.ring@gmail.com
Phone: +1 (646) 659-9608

Profile

Senior Software Engineer with expertise in the product development and operations of distributed web services. 6+ years of experience implementing scalable, low-latency REST/gRPC APIs primarily in Go, managing server side scalability and concurrency, as well as deploying and administering cloud-based solutions. Product focused, customer driven and deeply passionate about solving interesting problems.

Education

Carleton University (2009-2014) Computer Science Honours

Professional Experience

WeWork - Senior Software Engineer, Core Platform - Space
October 2018-present
Technology stack: Go, Protobuf, gRPC, Docker, Kubernetes, Helm, distributed systems, stream processing, Postgres, Prometheus, Grafana, Jaeger/Opentracing, Rabbitmq, CircleCI

- Led technical design and implementation of low latency gRPC API to expose physical space data unlocking the future of building design, architecture and physical space interaction. API services 700 requests per second with an SLO of P99 100ms.
- Engineering lead in product design and off-sites to establish scope with product management, stakeholders and timelines. Supported product managers on communicating the technical aspects to non-technical and technical customers.
- Mentored and supported junior engineers on best practices, clean architecture, communicating between stakeholders and solving the solution for the task at hand.
- Mentored and supported junior engineers on best practices, clean architecture, communicating between stakeholders and solving the solution for the task at hand. Foster understanding and responsibility for code deployed to production, establish on-call playbook and how to handle P1 incidents.
- Instrumental engineering leadership role integrating spatial data as the source of truth in WeWork's migration from ZenDesk to Salesforce. Provided engineering direction, design and implementation for executive driven goal by Q4 2019.
- Successfully refactored and migrated harvesting pipeline to a scalable distributed architecture to service WeWork's architects globally. The harvesting pipeline system enables architects to provide their Revit designs to the Space gRPC API allowing downstream systems to consume the building information data. Downstream system include tracking real-estate deals, floor map locations, enabling design and construction to more quickly iterate on plans and execute on their designs provided by the architect.

ConceptShare (acquired by Deltek) - Senior Software Developer
August 2016-October 2018
Technology stack: C# .NET Core, Javascript, Angular, Nodejs, Docker, Kubernetes, MS SQL, NoSQL, Serverless, Microsoft Azure

- Technical lead on ConceptShare web content review and approval.
  First to market enterprise friendly and fully capable live website review and approval system.
- Used serverless architecture (Azure Functions) to scale Kubernetes clusters to enable high availability for web content review and approval.
- Inventor of provisional patent pertaining to review and approval of live websites.
- Lead developer for ConceptShare Jira integration on the Atlassian marketplace.

- Instrumented and integrated legacy application with New Relic.

BlackBerry - Software Developer

May 2014-July 2016

Technology stack: Go, Cassandra DB, Elasticsearch, Vertx, Docker, NodeJS, AngularJS, Ruby, Java, Scala, Redis, Kafka, Jenkins, NodeJS, Bash, AWS

- Designed and developed, as a member of a small team, a solution for tracking shipping containers worldwide, leveraging the BlackBerry Internet of Things platform.
- BlackBerry Radar lead devops. Responsibilities included developing and managing continuous integration and deployment pipeline, managing staging and production environments on AWS, reacting to metric driven alerts off business hours, and meeting customer SLAs.
- Designed and developed Asset Tracking Demo used for Consumer Electronic Show 2015.
- Moved the Radar development team from internal gerrit git hosting to GitHub.
- Designed and implemented components to enable scalability, security, and searching for the BlackBerry IoT platform.
- Refactored core parts of BlackBerry IoT platform from ruby to scala.

Bank of Canada - IT Technician

2012-2014

Technology stack: Microsoft SQL, Active Directory, Apple Device Management

- Upgrading the entirety of the banks personnel and research systems to new hardware and software. Approximately 1600 systems.
- Required continuous communication in both official languages between several project teams to coordinate deployment strategies and procedure improvements

Personal Project

Cocktailio

iOS app: https://apps.apple.com/us/app/cocktailio/id1495121406

Technology stack: Go, React Native, Javascript, REST, Elasticsearch, MySQL, Postgres, Heroku, AWS S3

- Index of cocktail recipes searchable by recipe and tasting note attributes (eg. tart spring gin cocktail)
- Inspired for personal use when looking for cocktails with varying recipe complexity

Beards And Bitters - Owner & Operator

April 2017 - December 2018

- Operated men's grooming and cocktail hobbies online retail store.
- Design, manufacture, and test all products.
- Integrated product suite with Shopify storefront.
- Responsible for sales, trade shows, advertising and social growth.

References available upon request.