

# Lucas Burns

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253.279.3332

## Experience

**Senior Backend Engineer,  
Backend Engineer**  
Driveway, Portland, OR

Jan. 2022 — Present  
Feb. 2020 — Jan. 2022

- Design and implement a flexible search API for over 50,000 vehicles across 250 dealerships using MongoDB Atlas.
- Architect and develop specialized Kotlin microservices to support user shopping flows.
- Build and deploy IaC alongside microservices using Terraform, Datadog, and Microsoft Azure.
- Mentor software development interns and incoming junior developers.

*Technologies:* Kotlin, Spring, GraphQL, MongoDB & Atlas Search, PostgreSQL, Terraform, Kubernetes, Azure

**Full Stack Software Engineer**  
EVRAZ North America, Portland, OR

Nov. 2017 — Feb. 2020

- Update and improve desktop, terminal, and web applications.
- Maintain monolithic legacy steel mill software tools for internal and external users.
- Collaborate with developers and customers to gather requirements and centralize business knowledge.

*Technologies:* Java, Spring, Angular, Typescript, C, SQL

## Projects and Accomplishments

**Driveway.com:** 🔗 Various APIs to support vehicle shopping flows.

- Built using Kotlin, Spring, MongoDB, PSQL, and GraphQL with CI/CD through Azure DevOps and Kubernetes/Helm.
- Services include: real-time inventory search & syndication systems, photo aggregation service, tax & fee gateway, checkout flow orchestrator service.
- Systems contain ETL processes, messaging systems, and live APIs from multiple third party sources to provide a curated shopping experience.

**Ready-Bot:** 🔗 A ready-check bot for Discord servers.

- Built using the Discord4J framework, verified by Discord, and active in 650+ unique Discord servers.
- Deployed to Linode with automatic builds via GitHub & Jenkins.
- Integrates with MongoDB for persistent and redundant storage.

**API-Scout:** 🔗 Mac native API testing tool.

- Built using in Swift with SwiftUI.
- Made as an exercise in both Swift and Mac native software development.

### Miscellaneous:

- Able to solve a 3×3 puzzle cube, best solve time 57 seconds.
- Proficient in 8 musical instruments.
- Eagle Scout, BSA.

## Technical Skills

**Languages/Frameworks:** Java, Kotlin, Spring, GraphQL, Typescript, Angular, Swift, Python, C, C#, OpenGL

**Tools:** Unix, Shell, Git, SQL, NoSQL, Azure, Kubernetes, Jenkins, Maven, Gradle, Unity, Blender

## Education

**B.S. Computer Science, Mathematics Minor**  
University of Portland, Portland, OR

2013 - 2017