Lucas Burns

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Experience

Senior Backend Engineer, *Jan. 2022 — Present*
Backend Engineer *Feb. 2020 — Jan. 2022*
Driveway, Portland, OR

- Develop flexible search API for over 50,000 vehicles across 250 dealerships using MongoDB and Kotlin.
- Design and build specialized microservices to support vehicle purchase flows.
- Mentor software development interns and incoming junior developers.

Technologies: Kotlin, Spring, Reactor, GraphQL, MongoDB & Atlas Search, Kubernetes, Helm, Azure

Full Stack Software Engineer *Nov. 2017 — Feb. 2020*
EVRAZ North America, Portland, OR

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

Technologies: Java, Spring, Angular, Javascript, C, SQL

Technical Skills

Languages/Frameworks: Java, Kotlin, Spring, GraphQL, Python, C, JavaScript, Angular, C#, OpenGL

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

Projects and Accomplishments

Driveway.com: Vehicle search APIs & database.

- Built using Kotlin, Spring, and MongoDB Atlas Search with CI/CD through Azure DevOps and Kubernetes/Helm.
- Includes ETL processes, messaging systems, and realtime APIs from multiple third party sources to provide tailored shopping experiences.

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 from GitHub & Jenkins.
- Integrates with MongoDB for persistent and redundant storage.

Process-Week Generator: Production planning utility to estimate mill order process-weeks.

- Built using Java and Swing, pulls order/process information from InformixDB.
- Calculates a best-fit process timeline for a given order to find its earliest possible ship date.
- Used daily by a team of Production Planners to predict material processing demand.

Miscellaneous:

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

Education

B.S. Computer Science, Mathematics Minor *2013 - 2017*
University of Portland, Portland, OR