Lucas Burns

lucas@burns.io   ⁞   ⚭ **in**   *253.279.3332*

Experience

Senior Backend Engineer,   *Jan. 2022 - Present*

Backend Engineer   *Feb. 2020 - Dec. 2021*

Driveway, Portland, OR

- Provide nation-wide search of over 50,000 new and used vehicles across more than 250 dealerships using MongoDB & Atlas Search.
- Develop a high performance, customizable search API using MongoDB & Atlas Search, Spring, and GraphQL.
- Implement tools for internal product owners to manage and maintain text search settings, sorting factors, and vehicle detail categorization.

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

Full Stack Software Engineer   *Nov. 2017 - Feb. 2020*

EVRAZ North America, Portland, OR

- Design and improve desktop, terminal, and web applications.
- Maintain legacy steel mill production applications for internal and external users.
- Collaborate with developers and customers to scope development projects.

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.
- Designed for faceted and text search of organization wide vehicle inventory.
- Integrates ETL processes 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 DiscordJS framework, verified by Discord, and active in 600+ unique Discord servers.
- Deployed on Heroku with automatic builds from GitHub.
- Runs ready checks for members of a server/channel, complete with the updated slash command interface.

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:

- Eagle Scout, BSA.
- Proficient in 8 musical instruments.
- Able to solve a 3x3 puzzle cube, best solve time 57 seconds.

Education

B.S. Computer Science, Mathematics Minor   *2013 - 2017*

University of Portland, Portland, OR