Lucas Burns

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Experience

Backend Engineer   *Feb. 2020 - Present*
Driveway, Portland, OR

- Support nation-wide search of 20,000+ pre-owned vehicles using MongoDB Atlas.
- Implement a custom search API and translation layer using Spring & GraphQL.
- Architect backend services for online sales of automotive inventory.

Technologies: Kotlin, Spring, WebFlux, GraphQL, MongoDB Atlas, Kubernetes, Azure

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

- Design and improve desktop, terminal, and web applications.
- Maintain legacy 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, GraphQL, C, JavaScript, Angular, ShaderLab, C#, OpenGL

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

Projects and Accomplishments

Driveway.com: ⚬ Used-vehicle inventory database & APIs.

- Built using Kotlin, Spring, WebFlux, and MongoDB Atlas with CI/CD through Azure DevOps and Kubernetes.
- Construct ETL systems from third party data aggregator to internal database.
- Provide endpoints for altering inventory through business rules, cart activity, and product decisions.

ready-bot: ○ A ready-check bot for Discord servers.

- Built using the DiscordJS framework.
- Deployed on Heroku with automatic builds from GitHub.
- Verified by Discord and used by 500+ unique Discord servers.

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

- Built using Java and Swing, pulls order/process information from InformixDB.
- Calcaultes 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