Lucas Burns

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Experience

Backend Engineer *Feb. 2020 - Present*
Lithia Motors, Portland, OR

- Architect backend services for online sales of automotive inventory.
- Implement reactive systems using Spring WebFlux and Project Reactor.

Technologies: Kotlin, Kubernetes, Azure, Cosmos DB, Spring, WebFlux

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: Angular, Java, Spring, C, SQL

Technical Skills

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

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

Projects and Accomplishments

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 400+ unique Discord servers.

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

- Built using Kotlin + WebFlux, CosmosDB, and App Search with CI/CD through Azure DevOps and Kubernetes.
- Construct ETL systems from third party data aggregator to internal database.
- Provide endpoints for hiding cars through business rules, cart activity, and product decisions.

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 instruments and 3 spoken languages.
- 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

Coursework: Computer Networks, Artificial Intelligence, Computer Graphics, Analysis of Algorithms, Statistics & Probability, Linear Algebra