

JOHN KURLAK

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EXPERIENCE

Senior Software Engineer (Tech Lead) / Dropbox — Billing Platform

Python, Go, TypeScript

Aug 2021 – Present
Charlottesville, VA

- Led a multi-year rewrite of the subscription platform for 11M+ customers, driving design, implementation, data migration, and rollout alongside a team of 10–22 engineers. Ensured high reliability and data integrity by defining SLAs and implementing robust safeguards and monitoring.
- Rearchitected a high-throughput subscription cache serving over 40K requests per second, eliminating the system's primary availability bottleneck and preventing global reliability drops below 99.9%.
- Mentored 10+ engineers, supporting career growth, promotions, and conflict resolution.

Senior Software Engineer (Tech Lead) / Meta — Profile/Timeline Infrastructure

Hack, C++, JavaScript, React, Flow, Jest

Jul 2016 – Aug 2021
Seattle, WA

- Designed and led implementation of a system to eliminate references to deleted data in timeline's 2 PB database. Managed a team of three engineers and collaborated with 60+ product teams to onboard 150+ story types. Drove cross-team alignment by negotiating and enforcing deadlines. Built comprehensive testing, logging, and monitoring to ensure functionality, coverage, and performance. Increased deletion coverage from ~13.5% to 99.9999%.

Software Engineer II / Microsoft — PowerBI, Azure Stream Analytics, MSN Core Platform

C#, T-SQL, TypeScript, AngularJS, Knockout.js, Node.js, LESS, HTML

Jul 2012 – Jul 2016
Redmond, WA

- Led the effort to launch PowerBI as an Azure service, designing the front-end, back-end, and database architecture. Directed a six-person team, contributed to core development, and coordinated with multiple Azure teams to ensure an on-time and successful release.
- Helped establish Azure Stream Analytics as a core service in Azure IoT Suite by adding support for IoT Hubs and integrating with Azure Portal.
- Architected and implemented a content denormalization service in Node.js that reduced the average cold-cache load time of the new MSN homepage by 70%.

EDUCATION

B.S., Computer Science / Virginia Tech

- Graduated *summa cum laude*.

May 2012
Blacksburg, VA

SKILLS

Front-end

- HTML, CSS, JavaScript, TypeScript, React

Back-end

- Python, Java, PHP, C#, C++ (familiar)