

JOHN KURLAK

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EXPERIENCE

Senior Software Engineer / Facebook—Profile/Timeline Infrastructure

Jul 2016 – Present
Seattle, WA

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

- Designed solution to ensure that timeline's 2 PB database does not hold references to deleted data. Led team of three engineers to build solution. Assisted ~60 product teams in onboarding ~150 story types. Negotiated deadlines with other teams and held them accountable. Added comprehensive tests, logging, and monitoring to validate functionality, coverage, and performance. Increased deletion coverage from ~13.5% to 99.9999%.
- Helped rebuild profile/timeline from the ground up as a part of Facebook's redesign for the web. Simplified user experience by identifying and removing low-value features. Established set of design patterns to be used across the org. Worked with central framework team to improve developer ecosystem.
- Simplified data model for life events as people continued to post millions of life events per day. Enabled better code reuse and significantly reduced maintainance cost.

Software Engineer II / Microsoft—Power BI

Nov 2015 – Jul 2016
Redmond, WA

C#, WebAPI, Entity Framework, T-SQL, TypeScript, Knockout.js, Jasmine, Node.js

- Led the effort that established Power BI as an Azure service. Designed the front-end, back-end, and database components. Delegated feature work across a team of six developers and helped with development. Coordinated with various Azure teams to ensure a successful and timely release.

Software Engineer II / Microsoft—Azure Stream Analytics

Nov 2014 – Nov 2015
Redmond, WA

TypeScript, Knockout.js, Jasmine, HTML, C#, Selenium

- Helped establish Azure Stream Analytics as a core service in Azure IoT Suite by adding support for IoT Hubs and integrating with the new Azure portal.

Software Engineer II / Microsoft—MSN Core Platform

Jul 2012 – Nov 2014
Bellevue, WA

TypeScript, AngularJS, Jasmine, LESS, HTML, Node.js, C#, WebAPI, Selenium

- 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%. Presented my work to Microsoft CEO, Satya Nadella, in a one-on-one demo.
- Reduced the time to publish articles to MSN.com from 12 minutes to 1 minute by streamlining the curation interface of the content management system.

EDUCATION

B.S., Computer Science, Virginia Tech

May 2012

SKILLS

Front-end

- HTML, CSS, JavaScript, TypeScript, Flow, React, jQuery, Jest

Back-end

- Hack/PHP, Java, C++ (familiar), C#, MySQL