

CHRISTOFORUS J. BENVENUTO

+1 (206) 787-0267 • christoforus@benvenuto.dev • www.benvenuto.dev

EXPERIENCE

Software Engineer 2020 - Present
HBO Seattle, WA

Tech Stack: TypeScript, JavaScript, React, React Native, Java, Swift

- Lead team with driving remote playback experience using Google Cast protocol.
- Collaborate with design and product partners to build the user interface components for intuitive and responsive video playback across mobile devices, desktop browsers, Google Cast receivers, smart televisions, and gaming consoles.
- Own the entire video user experience for millions of HBO Max customers with millions of video playback daily while also improving its quality of experience via telemetry and data analysis.

Software Engineer 2019 - 2020
Twitter Seattle, WA

Tech Stack: TypeScript, JavaScript, React, Scala, Thrift, Angular, Ruby

- Engineered a suite of tools to manage, authorize, and troubleshoot accounts; moderate user-generated contents; and ensure compliance with applicable laws.
- Drove the effort in extending and plumbing existing services to support new type of contents projected to increase users' conversions and engagements.
- Consolidated legacy services into faster and user-friendlier services, resulting in at least doubled users' efficiency and improved development velocity.

Software Engineer 2016 - 2019
Groupon Seattle, WA

Tech Stack: JavaScript, Preact, Backbone, Node, Java, SQL

- Developed customer-facing websites serving more than 2 million daily requests.
- Built a customer-facing third-party integration interface, enabling the company to onboard partner estimated to bring in \$10.6 million annually.
- Architected integrations with multiple third-party services in order to reduce friction for merchants, resulting in estimated annual net operating balance increase of \$3.0 million.
- Led team in migrating services to multiple data centers for better resilience.

EDUCATION

M.S. in Computer Science
Northeastern University

B.S. in Applied Mathematics
University of Washington

PUBLICATIONS

Galois Field in Cryptography 2012

This paper introduces Galois Field and its implementation in storing data. It shows and helps visualize how storing data in Galois Fields allows for more manageable and more efficient data manipulation, where it focuses mainly on application in computer cryptography.