

CHRISTOFORUS J. BENVENUTO

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EXPERIENCE

Senior Machine Learning Engineer

2022 - Present
Seattle, WA

Tech Stack: Python, Java, TypeScript, JavaScript, Node, React, Swift, SwiftUI, Protobuf, SQL, Docker, Kubernetes

- Architecture framework to debug, interact with, and compare machine learning models in Apple media domains and demonstrate their integrations in first-party product offerings.
- Develop framework to synchronize features and models across devices to perform inferences utilizing on-device neural engine capabilities in privacy-preserving manner.
- Engineer feature store for more effective machine learning pipelines and lifecycle.

Software Engineer Technical Lead

2020 - 2022
Seattle, WA

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

- Led team with driving remote playback experience using Google Cast protocol.
- Collaborated with design and product partners to build the user interface components for intuitive and responsive video playback across mobile devices, tablets, desktop browsers, Google Cast devices, smart televisions, and gaming consoles.
- Owned the entire video user experience for millions of HBO subscribers with millions of playback daily and improved the quality of experience via telemetry and data analysis.

Software Engineer

2019 - 2020
Seattle, WA

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

- 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 moderate 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
Seattle, WA

Groupon

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

EDUCATION

M.S in Computer Science
Northeastern University

B.S. in Applied Mathematics
University of Washington

PUBLICATIONS

Galois Field in Cryptography

2012