

CHRISTOFORUS J. BENVENUTO

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PROFESSIONAL EXPERIENCE

Software Engineer II

2019 - Present

Twitter

Seattle, WA

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

- Build scalable and efficient systems in Scala and React to help drive efficiency and scale of operations.
- Drive user interfaces, distributed systems, and asynchronous programming to fight abuse, support new Twitter initiatives, managing user accounts, authorization, and troubleshooting.
- Perform agile development unit testing, run code reviews, and design documentation using Twitter's best practices.

Software Engineer II

2016 - 2019

Groupon

Seattle, WA

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

- Developed multiple customer-facing websites which serve more than 2 millions daily requests.
- Owned monthly commitment delivery, ranging from clarifying requirements, overseeing engineering plans, building prototypes, to securing QA sign-off.
- Led team in migrating services to multiple data centers for better resiliency.
- Built a customer-facing third-party integration interface, enabling the company to onboard partner estimated to bring in \$10.6 millions annualized net operating balance.
- Architected integrations with multiple third-party services in order to reduce friction for merchants, which results in an estimated annual net operating balance increase of \$3.0 millions.

EDUCATION

M.S. in Computer Science

Northeastern University

2016

B.S. in Applied Mathematics

University of Washington

2013

PUBLICATIONS

Galois Field in Cryptography

2012

This paper introduces the basics of Galois Field as well as its implementation in storing data. It aims to show and help visualizes that storing data in Galois Fields allows for more manageable and effective data manipulation, where it focuses mainly on application in computer cryptography. Details on the algorithm for Advanced Encryption Standard (AES), which is an example of computer cryptography that utilizes Galois Field, is included.

TEACHING EXPERIENCE

JavaScript Mentor

Node School Seattle

2019

Graduate Teaching Assistant

Northeastern University

2015

Science and Math Tutor

Seattle Central College

2010 - 2011