JOSHUA RYTHER

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# EDUCATION

**BS in Computer Science**, Southern New Hampshire University May 2022 GPA: 3.9

Summa Cum Laude

**BS in Economics**, University of Oregon June 2014

Minor in Business Administration

# SKILLS

**Languages** Java, C++, C, JavaScript, Python, HTML, CSS, MongoDB/NoSQL, SQL

**Frameworks** React, Angular, Spring Boot

**Tools** Git, Docker, AWS, Linux

**Soft Skills** Time Management, Teamwork, Communication, Problem Solving, Leadership, Accountability

# PROJECTS

**Video Call Application Backend** Java, Spring Boot, MongoDB <https://github.com/jryther/ChatApp-Backend>

* Model-view-controller-service architecture.
* Database connectivity to store user accounts which includes demographics and login information.
* Implemented JWT for server security.
* Generates tokens used by frontend for Agora API video services
* Generates pre-signed AWS S3 URLs to allow secure bucket access by frontend.

**Video Call Application Frontend** JavaScript, React, Bootstrap, Agora [https://github.com/jryther/ChatApp-](https://github.com/jryther/ChatApp-Frontend) [Frontend](https://github.com/jryther/ChatApp-Frontend)

* Utilizes Bootstrap to create a cohesive and dynamic UI.
* Agora API is applied to create a chat room and initialize a video feed for each user on the page.
* Frontend interfaces with the backend to register, authenticate, and display user information.
* S3 buckets are accessed to upload and download profile images to display on user account page.

# EXTRA-CURRICULAR ACTIVITIES

* Seattle Java User Group
* Southern New Hampshire Computer Science Club

# WORK HISTORY

**Software Engineer** Freelance April 2022 - Current

**Pharmacy Technician** Ro - Providence Health Services - Walgreens June 2013 - Current