# Rohan Sanjay Shahane

+1 (352) 284-8731   |   shahane.rohan96@gmail.com   |   linkedin.com/in/rohan-shahane   |   github.com/rohan7777

## EXPERIENCE

**Amazon** | Seattle, WA, USA *[Remote]*                                                                                          **May 2020 – Jul 2020**
**Software Development Engineer Intern**

- Built a software tool called 'Interactive SAIL Explorer' **from scratch** written in **Typescript** based on the **ReactJS** framework.
- This serves as a developer tool for Amazon's under-development cross-platform UI templating language.
- Developed a mechanism to allow users to decompose the SAIL element at any level and highlight the respective HTML representation of that SAIL element on hovering.
- **Reduced development time** for developers of various platforms by providing debugging features at each layer of abstraction

**Aptify Software Development Solutions** | Pune, MH, India                                                          **Aug 2018 – Jun 2019**
**Software Developer**

- Worked in a client services team of 5 to conduct the upgrade of the client's production environment.
- Assisted clients from USA and Australia to fix major bugs/issues and fine-tuned software to suit their requirements.
- Developed tools in **C#** in conjunction with **Microsoft SQL server** and **.Net framework** to optimize upgrade process and preemptively identify issues in upgrade process which resulted in streamlining the upgrade and saved time.
- Prototyped an **Amazon Alexa skill** for Aptify's HR team to reduce time spent and improve onboarding experience.

## EDUCATION

**University of Florida** | Gainesville, FL, USA                                                                          **Aug 2019 – May 2021**
  **Master of Science,** Computer Science
  Coursework – Analysis of Algorithms, Distributed Operating Systems, Computer Networks, Database System Implementation.
**University of Pune** | Pune, MH, India                                                                                  **Aug 2014 – May 2018**
  **Bachelor of Engineering,** Computer Engineering
  Coursework – Design and Analysis of Algorithms, Data Structures and Problem Solving, Operating Systems.

## Projects

**BookStore – E-Commerce website for shopping books**
*Java, Spring Boot, REST APIs, JavaScript, MS SQL Server, HTML, CSS*

- Implemented an e-commerce website using RESTful web APIs using Java and Spring boot.
- Features include signing up/signing in, browsing the books catalog and purchasing the books as available in the inventory.

**Database Engine**
*C++*

- Developed a CLI based database system in C++, with ability to perform relational operations like select, project, and join.
- Ability to store data in heap and sorted file, computing statistics needed to perform query optimization and execution.

**Twitter clone**
*F#, AKKA.NET*

- Developed a Twitter clone to simulate Twitter's backend using Actor modeling in F# and AKKA.net framework.
- Provided several functionalities such as Create account, Login, Follow Users, Send Tweet, Retweet, Query Hashtag and user mentions. Simulated 10,000 active users (actors) on a single machine.

**FTP File transfer implementation**
*Java*

- Built a multithreaded FTP file transfer client and server using socket programming in Java.
- The client will be authenticated and afterward query the available files on server to download a file or it can upload a file.

## Technical Skills

**Programming Languages:** C++, Java, TypeScript, JavaScript, C#, F#.Net, C, Python, HTML5, CSS.
**Frameworks and Tools:** .Net, ReactJS, AKKA.net, MS SQL Server, Git, GitHub, Latex.

## Publications

**New Approach to Wireless Data Transmission Using Visible Light** | *Institute of Electrical and Electronics Engineers (IEEE)*