Sahil Hamal

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💼 Professional Experience

Full Stack Developer Intern, Zoom Video Communications   05/2022 – 08/2022 | San Jose, CA
- Developed a full stack video archive application that served as a platform to upload, search and play videos for Zoom Events.
- Created a tag based video searching and sorting system utilizing the ElasticSearch and store the videos using AWS and MongoDB.
- Technologies: React, Java, Spring Boot, Docker, JavaScript, TypeScript, AWS, ElasticSearch, MongoDB

Software Engineer, Johns Hopkins University   10/2019 – 06/2021 | Baltimore, MD
- Created a full-stack cell-view application in collaboration with JHU immunologists to analyze cell samples, draw annotations and cancer detection and successfully secured funding for at least 5 years
- Technologies: Java, Docker, Kubernetes, Python, OpenLayers, VueJS, JavaScript, TypeScript

Software Engineer, Deutsche Bank   06/2018 – 10/2019 | Cary, NC
- Created an application that streamlined the process of tracking various communication applications and their dependencies, enabling the user to be notified when any of the dependent application was being updated or had planned update which aided in avoiding unexpected application failures and compatibility issues
- Assisted with an automated deployment process of financial applications to secured servers using Ansible scripts
- Technologies: Angular, Java, SQL, Jira, Rest API, Ansible

Software Developer Intern, PricewaterhouseCoopers   06/2017 – 07/2017 | Dallas, TX
- Developed an application for PwC Tax & Technology division to improve the financial account management by utilizing user feedbacks and adding functionalities such as report generation and reducing redundant actions
- Technologies: MVC5, TFS, C#, SQL

Software Engineer Intern, General Electric   06/2016 – 07/2016 | New Orleans, LA
- Developed a new application that visualized and notified the team about the status of different code commits based on the CI/CD deployment, which expedited issues identification and led to faster code fixes
- Technologies: GE Predix Frame, JS, jQuery

🎓 Education

Masters in Computer Science,   08/2021 – present | Blacksburg, VA
Virginia Polytechnic Institute and State University
Thesis: Software Engineering and Digital Education

Bachelors in Computer Science, Troy University   08/2014 – 05/2018 | Troy, AL
Graduated with summa cum laude

🧠 Skills

React | Java | Spring Boot | Javascript | Vuejs | SQL | AWS | No SQL | ElasticSearch | MongoDB

🎓 College Experiences

Graduate Teaching Assistant, Virginia Tech   08/2021
- *Fall 2021*: CS3114 Data Structures and Algorithms
- *Spring 2022*: CS5024 Ethics and Professionalism in Computer Science

University Ambassador, Troy University   08/2017
- Represented university and assisted in university events such as leadership conference and graduation

Hackathon Winner, Georgia State University   04/2016
- Created an app using Java, XML and android studio that enabled a phone to emulate a shipping package to track the motion and shock on the package using accelerometers which helped to detect any sudden movements in x, y, z axis and record the location to inform sender and receiver about the potential cause http://devpost.com/software/shock-detector ↗
- Awarded an internship with General Electric (GE Digital)

President of Computer Science Club, Troy University   08/2015
- Organized first Tech Career Fair, held hands on tech sessions and represented university in hackathon

Chancellors Award, Troy University   08/2014
- Full tuition scholarship for 4 years of undergraduate degree