MUNTAQIM RAHMAN

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SKILLS

Languages: JavaScript, Python, Ruby, C#, C++, C
Frameworks: React, Redux, TypeScript, Express, Django, Flask, Ruby on Rails, ASP.NET, Jest
Tools/Methods: Network security, Identity Management, Memoization, OOP, Dialogflow, RESTful APIs

EXPERIENCE

FULL STACK DEVELOPER – EMPIRE LIFE INSURANCE   SEPTEMBER 2021 – PRESENT
- Maintain authentication access to **over 14,000 users** using both **OIDC** and **OAuth 2** protocols
- Developed tool to capture and easily edit user data with **React** and **Django** saving **200+ hours per year**
- Delivered **automated forms** which generate forms from arbitrary data through a **recursive algorithm** with **caching** saving **countless hours** through automation and **speeding up performance** by **21%**

WEB DEVELOPER – EMPIRE LIFE INSURANCE   MAY – AUGUST 2020
- Developed AI chatbot using **Dialogflow**, **React**, and **Django** reducing **customer service requests** by **53%**
- Created tool to analyze chatbot for user emotion and adapt responses increasing **chatbot usage** by **12%**

SOFTWARE ENGINEER – TRIYOSOFT   JANUARY – APRIL 2021
- Improved filtering and sorting speeds by **98%** with a **memoized** algorithm **reducing render times** by **73%**
- Delivered **WebSocket** support across backend using **C#** and **SignalR** resulting in **reduced API response times** by **46%** and **response sizes** by **93%**

SOFTWARE DEVELOPER – POINTCLICKCARE   JULY – AUGUST 2019
- Produced dashboard that analyzed **millions** of revenue records using **React Native** to present **data-driven** business insights
- Built out testing process by integrating **Jest** tests into DevOps pipeline achieving **74% test coverage**

AWARDS

PICOCTF HACKATHON – NATIONAL WINNER
- Won CTF **cybersecurity hackathon** coming in **1st/712** nationally and within the top **0.1%** internationally
- Personally led network security problems with techniques such as SQL Injection, XSS and Token Spoofing

PROJECTS

GOOGLE ASSISTANT TODO INTEGRATION – Webhooks, Flask
- Integrates Todoist with Google Assistant using **Webhooks** and a **Flask** server to manage tasks by voice
- Designed endpoints to handle complex chaining of task and project names in a single command

PERSONAL PORTFOLIO SHOWCASE – React, TypeScript, Rails, PostgreSQL
- Developed personal portfolio website in **React and TypeScript** which showcases personal projects
- Created an API server in **Ruby on Rails** to manage and update portfolio data
- Wrote a fully typed **localStorage hook** which sets dark mode selections to persist between sessions

EDUCATION

Bachelors of Software Engineering, 3A   SEPTEMBER 2019 – JUNE 2024
University of Waterloo
Relevant Courses: Data Structures and Algorithms, Software Engineering Principles, Foundations of Sequential Programs
Cumulative GPA: 85% (3.6 GPA)