Vasu Gupta

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Skills

- **Languages/Frameworks:** Node.JS, Python, Angular (HTML, Sass, Typescript)
- **AWS:** Lambda, DynamoDB, S3, Cognito, API Gateway, SNS, SAM/Cloudformation, CodePipeline etc.
- **Tools:** Git, VSCode, Linux, SQL, Atlassian Suite (Bitbucket, Jira, Confluence)

Work Experience

Software Developer (Full Stack)   May 2021 – Present

FLYHT Aersopace Solutions, Calgary, AB

- Designed and built a fuel analysis product using **Angular** frontend and **AWS** backend to identify different areas where airlines could potentially save **millions** of dollars in fuel expense.
- Automated the code deployment by implementing **CI/CD** pipelines that included infrastructure as code using **SAM/Cloudformation**.
- Facilitated product development by adopting **Agile Scrum** methodology and continuous improvement.
- Prepared and delivered several technical product presentations internally and externally.
- Played a key role in shaping the core values of the company by representing the software team.

Teaching Assistant- Computer Science   September 2019 – April 2020

MacEwan University, Edmonton, AB

- Facilitated learning of topics such as Data Structures, Algorithms, Object-Oriented Programming in **Python** with students of various levels of programming knowledge.
- Provided analogies and visual representation of complex topics to help the students overcome learning barriers.
- Led students by guiding them through the process of problem-solving, debugging, and testing.

Projects

Assignment Annotation   January 2021 – April 2021

- Developed support for manual assessments on eSubmit, a student submission evaluation system used by **over thousands** of computer science students at MacEwan University.
- Built a **RESTful** API using **Golang** with a **Postgres** database that allowed the instructors to create and modify the annotations, and allowed the students to view the annotations made on their submissions.
- Created the client-side using **HTML, Sass, and Typescript** that allowed the instructors to grade the student submissions while making annotations.

Education and Certifications

AWS Certified Cloud Practitioner   Issued May 2021

Bachelor of Science- Computer Science   September 2017 - April 2021

MacEwan University, Edmonton, AB   Cumulative GPA: **3.87/4.0**

Volunteer Experience

President   May 2020 – April 2021

MacEwan Computer Science (MaCS) club

- Led the planning and organization of internal and external club events and activities.
- Acted as a liaison between the faculty and student body to voice out general concerns of the students.