Gaurav Setia

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Experience

AMD – Software PMO Engineering Intern – Django Python, MySQL, DAX, Jira   05/21 – 05/22
- Maintained and enhanced AMD's Phase Gate Tool, their critical project management tool
- Led the development for the Phase Gate Tool's new login system using the OpenID protocol
- Designed and produced 12 business intelligence reports for AMD's PMO using PowerBI

Projects

Reddit's r/place – AWS, JavaScript, Python, HTML
- Recreated Reddit's famous r/place, a collaborative canvas where individual users can contribute one pixel every 5 minutes
- Implemented automatic scalability using 10 Amazon Web Service components including instances of AWS Amplify, Elasticache and DynamoDB connected using Lambda functions

Sportify – Dart, JavaScript, Flutter, Firebase, IOS & Android
- Developed a social application for organizing spontaneous or planned sporting events
- Collaborated with a team of 5 as part of Google's Developer Student Club
- Runs on Firebase's real-time database integrated with UofT's Shibboleth Authentication

URL Shortener – Python, Flask, Bash/Shell, Docker, Redis, Cassandra
- Built a highly scalable URL shortening service capable of handling millions of URL key-pairs
- Leveraged Cassandra for data persistence and a Docker swarm of Redis nodes for caching

Rescue Rover – C++, Python, AWS
- Collaborated with a team of 4 to develop a rover that collects environment data in emergencies for MakeUofT's hardware hackathon
- Interpreted raw environment data from multiple sensors and transmitted refined results to an AWS cloud server through Solace's Pubsub+ event management system
- Sends controller input wirelessly using Python scripts from a Telus IoT Shield

BrainMapper – JavaScript, HTML/CSS, React, PostgreSQL, Railway
- Created a geography trivia game which is playable at gsetia.com
- Utilizes a Postgres database for game data and deployed by Railway

gsetia.com – JavaScript, HTML/CSS, React, Node.Js, Netlify
- Designed and developed a personal website serving as a portfolio

Skills

- **Languages:** Python, C, JavaScript, Bash/Shell, Java, HTML/CSS, Dart, Racket, Haskell, C++
- **Technologies:** React, Node.js, Heroku, Firebase, Flutter, Docker, PostgreSQL, MySQL, AWS, Git, LaTeX, SMSS, HeidiSQL, Redis, Flask, Django
- **Microsoft Office Suite:** Excel, Word, PowerPoint, PowerBI

Education

University of Toronto - 3.34 CGPA   **09/18 – 05/23**
- Honours Bachelor of Science, Specializing in Computer Science