Kuljeet Singh Bhengura

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EXPERIENCE

George Mason University   Jan 2023 – Current
Graduate Teaching Assistant
- Course IT461: Web Development in Cloud – hands-on AWS, caching with ElastiCache, NoSQL, CI/CD
- Course IT431: Advanced Web Development – taught ReactJs, SPAs, REST APIs, Cloud deployment

GetSetUp   July 2021 – June 2022
Software Development Engineer
- Engineered a framework using **ReactJs, NodeJs** to build a scalable platform for older adults to participate in and host classes handling up to 100,000 users in a single video class.
- Developed e-mailing **microservice** to notify user class timings and booking info using **Lambda, SNS & SQS**.
- Categorized and organized data improving data extraction by **60%** leveraging **Redis** for caching.
- Built APIs using **Go** to reduce the average turnaround time by **80%** (10 to 2 mins).
- Utilized **BigQuery** to analyze user traffic on the platform, enabling scalable enhancements.

Zaya Learning Labs   Aug 2020 – July 2021
Software Development Engineer
- Developed FABLe and BeSomeone projects, managing architecture design and flow for web and mobile apps. Utilized Django (Python) for backend development, contributing to a total revenue of $750k.
- Overhauled the Sensei project by designing its backend with django (python) and postgresql, resulting in a 67% increase in user traffic.
- Utilized **AWS** to deploy projects and their assets by creating new **EC2** instances and an **S3** bucket.
- Managed the database flow on Amazon **RDS** and connected it with the projects.

Zaya Learning Labs   Jan 2020 – Feb 2020
Intern
- Developed a web application as a component of Zaya's Incident and Production support system, improving user experience and driving downloads to 15,000 on the launch day. Implemented using Django (python).

Brainvire   Dec 2018 – Jan 2019
Intern
- Crafted web-pages for SAP using .Net for backend and Bootstrap for **frontend** – increased revenue by 45%.

SKILLS

Languages	: Python, Javascript, Typescript, Java, Go
Database & Caching	: MySQL, Postgresql, Redis
Cloud	: AWS (EC2, S3, Lambda, RDS, SNS, SQS, IAM)
DevOps	: Git, Jenkins, Docker, CI/CD
Misc	: OOP, REST API, Linux/Unix, SDLC

EDUCATION

George Mason University   Aug 2022- May 2024
Master of Computer Science
Coursework: Analysis of Algorithms, Machine Learning, Data Mining, Software Design and Architecture

University of Mumbai   Aug 2016- Oct 2020
Bachelor of Engineering in Information Technology
Coursework: Algorithms, Databases, DevOps, Cloud Computing, Big Data Analytics, Operating Systems