Md Asif Iqbal

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Education

Indian Institute of Technology, Kharagpur	**Aug. 2016 – April 2020**
Bachelor of Technology in Chemical Engineering	*CGPA – 8.87*
Gulmohur High School, Jamshedpur	**April. 2014 – May 2015**
Indian School Certificate (ISC) Examination, Class 12	*Percentage – 96*
Gulmohur High School, Jamshedpur	**April. 2012 – May 2013**
Indian Certificate of Secondary Education (ICSE) Examination, Class 10	*Percentage – 95.8*

Summary

Software engineer with a bachelor's degree from IIT Kharagpur and around 2 years of background in creating and executing innovative software solutions to enhance business productivity. Experienced in all aspects of software development life cycle and end to end project management, from concept through to development and delivery

Experience

Anakin Inc — **January 2023 – Present**
Software Engineer — *Bangalore, Karnataka*
- Designed and developed a reliable proxy service with proxy rotation and fallback mechanisms, boosting its speed by 20%
- Developed a highly efficient generic scraper with xpath and YAML config files for scraping e-commerce data.
- Conducted code reviews, provided valuable feedback, and improved coding practices for the team to ensure high-quality and maintainable code, resulting in improved productivity and faster project completion

Ocrolus Inc — **September 2022 – December 2022**
Software Engineer — *Gurugram, Haryana*
- Extracted a component from legacy monolith application into a Flask based micro-service to handle bank statement
- Improved internal ops-tool by adding new feature to incorporate new bank flow using Java Spring framework
- Reduced tech-debt in various Java and python services by improving efficiency and fixing critical bugs

Amplus Solar by Petronas Group — **July 2020 – August 2022**
Senior Associate Software Engineer — *Gurugram, Haryana*
- Developed a custom CRM with access control and user management and integration with multiple 3rd party services
- Built a highly available, fault-tolerant service using Flask, Task Queue, and Docker; deployed on a server-less platform
- Utilized the MQTT protocol and Pub/Sub to establish infrastructure for ingesting IoT device data at 20 Hz frequency
- Developed the data ETL pipeline on Google Dataflow and stored in a data warehouse - BigQuery

Amplus Solar by Petronas Group — **May 2019 – July 2019**
Full-Stack Developer Intern — *Gurugram, Haryana*
- Maintained Ionic based application used by 500+ employees; released 3 stable versions on both IOS and Android
- Integrated Ionic features like image picker and file transfer for upload of documents, Firebase plugin for notifications
- Revamped Travelex app back-end using Firebase, S3 AWS, MySQL, and Laravel back-end integration's with SendGrid
- Documented technical factors such as APIs, ER Diagram, and App flow using tools - Draw.IO, Postman, SqlDBM

Projects

Energy Disaggregation, Amplus Solar | *MQTT, Pub/Sub, Dataflow, BigQuery*
- Architected the infrastructure for data ingestion pipeline using Mosquitto Broker, Google Pub/Sub and Google Dataflow
- Computed the Machine Learning model results by encapsulating it in a Flask service deployed on Google App Engine

Yelow Pay, Yelow Club (link) | *Python, Django*
- Created a BNPL product which offers credits to the customer, basis CIBIL score, for both online and offline order
- Implemented a single tap purchase functionality in the app with a pay later option and direct payment using UPI

Bank Statement Service, Ocrolus | *Java, Spring*
- Built a micro-service using Java Spring, with JUnit and Mockito testing libraries covering unit/integration tests
- Deployed the service in Kubernetes environment using helm charts and set up CI/CD pipeline in Jennkins
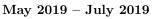
Technical Skills

Languages: Python, Java, C++, PHP, HTML/CSS, JavaScript, SQL, MongoDB
Developer Tools: VS Code, Google Cloud Platform
Technologies/Frameworks: Linux, GitHub, Docker, Kubernetes, Django, Flask, NodeJS
Courses: Machine Learning, Artifical Intelligence