ABISEK MISHRA

abisekmishra2@gmail.com | +44 7389855482 | London, United Kingdom
linkedin.com/in/abisekmishra | itsabisek.github.io

Software Engineer with four years of experience developing and testing software applications in a fast-paced, dynamic environment demonstrated through delivering robust and well-tested solutions using a variety of tools, languages and frameworks including but not limited to Python, GCP, MySQL, and Rest APIs. Graduated from Newcastle University with an MSc Advanced Computer Science degree with relevant coursework in cloud technologies, big-data analytics and building and testing APIs.

Offering an agile and analytical mindset with a passion for personal development and solving problems while fostering innovation and continual growth to create measurable impact. Keen to apply proficiency in exciting Software development prospects

PROFESSIONAL EXPERIENCE

Software Development Intern, Jan 2023 – Sept 2023
Shape Technical Consulting, UK

- Enhanced Customer Experience by troubleshooting and developing over 30 reusable features in all phases of the Software Development Lifecycle of a Web Application built with Flutter and AWS backend while following Object-Oriented coding principles
- Liaised with client and product owners to conceptualise and develop a solution to a newer feature, reducing the usage of API calls and database queries required by more than 30%
- Efficiently utilised JIRA for tracking tasks and Confluence for technical documentation to ensure continuous improvement of the product, keeping all stakeholders in the loop

Software Engineer, Sept 2019 – July 2022
Mindfire Solutions, India

- Optimised the web scraping architecture of a leading, data-intensive SEO SaaS platform, improving the presence of 1000+ businesses with insightful metrics aggregated using distributed tools in Python and MySQL built over GCP and Linux platform
- Collaboratively worked with Quality Assurance and DevOps teams for code reviews in Git, and CI/CD pipeline in Jenkins and Gerrit, limiting customer-reported bugs to less than 100 per week by proactively investigating issues
- Improved the infrastructure of a scalable big-data pipeline built using several Apache tools for processing over 10 million data points daily and catering to businesses of all sizes
- Led the development, optimisation, and maintenance of an in-house website crawler together with Test Engineers and Architects, serving as a cost-effective alternative to third-party services, saving over $5000 monthly
- Supported several teams with the enhancement of a modern, microservices-based web application using React, Django and Docker, ensuring a tailored UI/UX and a high retention rate of high-valued customers for 3 consecutive years

Software Development Engineer in Test, May 2018 – Sept 2019
Wipro, India

- Formulated and executed test cases in weekly and monthly test plans for incremental updates of a global product and performed accurate triage steps for understanding defects to meet quality standards
- Contributed to the automation framework to better represent the progress from detection of issues through to resolution
- Ensured virtual collaboration with diverse teams daily using SCRUM and confluence for cross-team communication and handovers
- Took initiatives in internal team-building events to foster an inclusive, collaborative office culture and improve integrity and satisfaction among employees

EDUCATION

Master of Science, Advanced Computer Science, Sept 2022 – Sept 2023
Newcastle University, UK

- **Grades**: PG with Distinction
- **Related Coursework:** Advanced JAVA, Enterprise Middleware, Cloud Computing, Big Data Analytics
- **Dissertation Project:** Evaluating factors impacting the throughput of Window Operators in Apache Flink: An experimental study
  - Summarised the functioning of Windowing Operators in real-time stream processing frameworks by conducting a comprehensive Literature Review using existing research and exploring factors that impact the throughput of operators in Apache Flink using graphs that illustrate their relationships
- **Group Project:** Compliance verification using Blockchain
  - Worked with a team of 5 peers to implement a system that automates verification of GDPR compliances in IOT systems using Smart Contracts to profile, write, store, and verify the usages of user data using Solidity language and deploying on a real-world Ethereum blockchain network

Bachelor of Science, Information Technology, Aug 2014 – Apr 2018
College of Engineering and Technology, India

- **Grades**: 8.37 out of 10
- **Related Coursework**: Design and Analysis of Algorithms, Database Engineering, Internet and Web Technology
- **Academic Project**:
  Experimental Study on Brain-Computer Interfaces
  - Conducted a comprehensive Literature Review on the working of Brain-Computer Interfaces and their usages in Intelligent Tutor and Monitoring systems by illustrating the behaviour of brain waves recorded using a single channel EEG device and using Digital Signal Processing to break constituent frequencies

TECHNICAL SKILLS

- Python, MySQL, Google Cloud Platform, Django, JAVA, Rest API, Linux, Docker, Git, JIRA