ABISEK MISHRA

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Software Engineer with four years' experience developing and testing software applications, with a strong focus on building robust and scalable solutions using Python, SQL, REST APIs and GCP. Experienced in agile methodologies and comfortable working with minimal supervision in a face-paced and dynamic environment. Offering an analytical mindset and with a passion for personal development and solving problems while fostering innovation and continual growth to create measurable impact.

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 and seeking an opportunity as a Software Engineer to leverage my skills and expertise in developing and integrating software solutions

TECHNICAL SKILLS

- Python, MySQL, REST APIs, Django, Google Cloud Platform, JAVA, Linux, Docker, Git, JIRA, Agile

PROFESSIONAL EXPERIENCE

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

- Developed and enhanced reusable features for a web application built with Flutter and AWS backend, following Object-Oriented coding principles in all phases of the Software Development Lifecycle
- Conceptualised and developed a solution to reduce API calls and database queries, improving application performance and customer experience
- Utilised JIRA for task tracking and Confluence for technical documentation, ensuring continuous improvement and stakeholder collaboration

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

- Optimised the web scraping architecture of a leading SEO SaaS platform, improving the presence of over 1000 businesses with insightful metrics aggregated using distributed tools in Python and MySQL
- Collaborated with QA and DevOps teams. For code reviews, CI/CD pipeline setup (Jenkins, Gerrit), and bug triage, limiting customer-reported issues per week
- Developed and optimised a scalable big-data pipeline using Apache tools for processing over 10 million data points daily, catering to business of all sizes
- Led the development and maintenance of an in-house website crawler, serving as a cost-effective alternative to third-party services, saving over $5000 monthly
- Contributed to the enhancement of a microservices-based web application using React, Django and Docker, ensuring a tailored UI/UX and high customer retention

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