

Mazen Bahgat

Work Experience

Back-End Developer at NCR Corporation | September 2022 – Present

- Designed & implemented a set of containerized banking micro-services using in-house tools with YAML and Spring boot.
- Integrated new cloud services for supporting multiple banking applications and bank systems.

Full Stack Application Developer at Scales Nature Park | May 2022 – August 2022

- Led a small team through the design and development of mobile and desktop applications in the “MERN” stack for wildlife conservation purposes.
- Coordinated with management and the employee user base to gather application feature requirements.
- Migrated past wildlife conservation data from google sheets to a new mongo database.

Highlights of Qualifications

- Strong knowledge of software engineering concepts, design, testing, and implementation.
- Self-motivated, quick learner, and able to adapt to modern technologies, concepts, and situations.
- Excellent analytical and problem-solving skills proven through self-led projects.
- Effective communication, interpersonal and teamwork skills.
- Fluent in English and Arabic.

Technical Skills

- **Languages:** C, Java, HTML, CSS, JavaScript, Python, Batch, YAML, JSON.
- **Tools:** MongoDB, React Native, Express.js, node.js, Next.js, Spring Boot, Kafka, RESTful APIs, Docker.
- **Development:** Object Oriented Programming, Data Structures, Algorithms, Software Integration, Automated Testing, Agile Methodologies.
- **Project Management:** Version control, Documentation, Quality Assurance, Test-Driven Development.

Personal Projects

Weather Forecast Web Application | April 2022

- Utilized IP-API to get the client's location and OpenWeather API to fetch the client's weather forecast.
- Designed and integrated a responsive web-based GUI, served using a node.js server.

Automated Course Registration | May 2021 – Dec 2021

- Developed an automation web bot using the Selenium API with Python.
- Automated the registration of planned courses on the University of Guelph website.

Education

Bachelor of Computing, Honors Co-op Major Software Engineering Minor Marketing | 2020 – Present

University of Guelph

Key Academic Projects:

SVG Parser Web Application | Jan 2022 – March 2022

- Designed and employed an interactive web GUI that exchanges user data with the server.
- Implemented SVG parsing libraries written in C, adhering to API specifications.

Investment Portfolio Program | Oct 2021 – Dec 2021

- Developed an investment portfolio program allowing users to perform investment transactions using Object Oriented Programming in Java.
- Designed and implemented a GUI using Java libraries for more seamless usability.