

Magd Aref

Ajax, ON, L1Z 1V3

9059998257

magdfor74@gmail.com

Work History

Junior Backend Developer

Scotiabank, Toronto, Canada

January 2023 - Current

- Engineered backend systems for high-volume corporate onboarding platform
- Migrated legacy Java/Tomcat applications to Spring Boot microservices (OpenAPI 3.0)
- Deployed on GCP with Kubernetes, improving scalability and reducing deployment time by 75%
- Integrated PostgreSQL with legacy IBM DB2 databases for financial data workflows
- Automated CI/CD pipelines via Jenkins in 2-week Scrum sprints using git
- Designed containerized solutions to replace monolithic architecture
- Wrote unit tests and multiple test cases to evaluate high code coverage
- Familiarity with Linux OS, Python, Bash, JSON, YAML, and XML
- Collaborated with multidisciplinary team using scrum and agile development methodologies
- Wrote extensive documentation on new APIs as well as testing and documenting legacy APIs with no existing prior documentation

Technical Consultant

Slewmaster Inc., Mississauga, Canada

August 2020 - September 2022

- Led ERP implementation, complete digitization and integration of workflows for multinational manufacturing firm using open source ERP system Odoo
- Designed Python scripts for data migration from QuickBooks to Odoo reducing manual accounting work for the transition by 95%
- Developed custom Odoo modules for manufacturing workflows
- Replicated ERP implementation for India factory in 3-month timeframe on-site and personally training new users with the software.
- Digitized hard-copy records into centralized digital repository

Programming Languages & Skills

- | | |
|----------------------------|-----------------------------|
| • Java | • Go |
| • C | • HTML/CSS |
| • C++ | • Linux |
| • Cloud Native Development | • RESTful APIs |
| • C# | • Neovim, Eclipse, IntelliJ |

Education

Trent University at Peterborough, ON

Bachelor of Science - BSc in Computer Science & Biology (Double Major) August 2020

Core Software Engineering: Learned C (memory management, system-level programming) and C# (object-oriented design) through projects and coursework in Data Structures & Algorithms I/II and Software Design & Modeling. Built relational database systems using SQL in Database Management Systems and applied design patterns in Web Application Development

Data-Centric Studies: Data Mining (Pattern recognition, clustering), Computer Graphics (Algorithmic problem-solving), Cyberethics (Data privacy, regulatory compliance)