Pierrick Catalo

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PROFILE

Passionate about problem solving and software development. Computer Science BSc from Concordia University. More than 3 years of work experience as back-end developer, program analyst and software developer intern.

Fluent French and English, Intermediate Spanish
Programming: JavaScript/TypeScript, C#/.NET, Java, SQL, Python, HTML, CSS
Technologies: AWS, DevSecOps, Node.js, Docker, Angular, GitLab, CI/CD, SQL Server, Jira, Agile Scrum
Global mindset with experience abroad

EXPERIENCE

Back-End Developer
June 2022 – May 2023

Ubisoft Montreal, Online Services
Montreal, QC, Canada

- Collaborated with a team to develop, operate, maintain and test an AWS pub-sub microservices notification system handling over a million notifications per minute for Online Services
- Optimised cost and performance by integrating new features into our node.js/Java services, and deploying additional AWS Lambdas and Step Functions
- Enhanced system efficiency by creating a JavaScript AWS MSK (Kafka) CDK Construct library, replacing Kinesis Data Streams and improving overall performance
- Streamlined incident management by building a library to route SNS CloudWatch Logs to MS Teams, facilitating efficient communication and response to system incidents
- Applied DevSecOps principles and successfully implemented Test Driven Development (TDD), while actively contributing to projects following Agile and Scrum methodologies

Program Analyst
Aug 2020 – Apr 2022

Randstad Canada, Business Control Team
Montreal, QC, Canada

- Led the end-to-end data integration lifecycle for business analysts in the business control team
- Developed C#/Python ETLs using diverse APIs and Selenium for web scraping
- Created a C#/SQL-based KPI tracker, notifying business analysts based on predefined conditions
- Constructed and managed Power BI and Looker Studio reports to provide valuable insights

Software Developer
Sept 2019 – Aug 2020

Randstad Canada, Operation Team
Montreal, QC, Canada

- Developed automation tools, translating business requirements into technical solutions for multiple teams
- Automated Google Workspace workflows using Google App Script (JavaScript) and Google's API
- Developed user-friendly C# utilities for streamlined data tasks involving Excel, Google Sheets, and SQL Server
- Built an Angular/ASP.NET Dashboard to monitor automations using TypeScript/C#

PROJECTS

Stock Manager | *Java, Typescript, HTML, CSS, Angular, Spring Boot, MySQL*
- Spring Boot Restful API with MySQL database
- Built front-end using Angular and Bootstrap

Fake News Classifier | *Python, Jupyter Notebook, Machine Learning, NLP, scikit-learn*
- Compared various tokenization, vectorization and NLP models to classify COVID Tweet news
- Attained a top accuracy of 97.65% using the BERT model

EDUCATION

BSc Computer Science
Montreal, QC, Canada

Concordia University
Sept 2018 – Apr 2022

Web Programming, OOP (Java, C++), Data Structures and Algorithms, Operating Systems, Databases, Computer Networks, Distributed Systems, Artificial Intelligence, Machine Learning, Information System Security

C Programming Bootcamp (Piscine)
Paris, France

Ecole 42
Aug 2018

4 weeks of intensive coding in C, P2P learning methodology, individual and group projects (Bash Script, Vim, Git)