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LAITH KAMALEDDINE

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TECHNICAL SKILLS

LANGUAGES — EXPERIENCE

LANGUAGES	EXPERIENCE
Python	4+ yrs.
C++	3 yrs.
Java	6 mo.
Javascript	0.5 yrs.
HTML/CSS	2 yrs.
GIT/HG/SVN/TFS	1 yr.
SQL	4 mo.
Jenkins	4 mo.
JSON/XML/VXML	4 mo.
VHDL	6 mo.
VBA	1 yr.
Bash	3 yrs.

Web Libraries/Frameworks
Django · Spring Boot · Selenium · BeautifulSoup4 · smtpLib · SikuliX · Flask

Automation, NLU, Machine Learning
SciKit Learn · NLTK · OpenPyXL · PIL · Blue Prism · AWS Lex · DialogFlow

Graphics
Pygame · Kivy · PyProcessing · MatplotLib

Testing
Junit · Mockito · GTest

Other
Jira · Jira API (JQL) · Docker

Hardware
PC · Mac · Arduino · Raspberry Pi · PICAXE · Onion Omega and other embedded Linux chips

Microsoft
Word · Excel · Powerpoint · Visual Studio · Sharepoint · Visio · OneNote · Outlook · Power BI

SUMMARY OF QUALIFICATIONS

- Recognized leadership skills within various projects, positions, and volunteering events
- Comprehensive experience within Agile, CI/CD, and Client-Facing Environments
- Solid self-management in ramp-up/learning situations; Skilled at transitioning into unfamiliar stacks
- Strong academic performance; Ranked top 15% of 1st year Computer Engineering stream
- Positive and goal oriented; set large objectives and break them down to learn new concepts very quickly and effectively

WORK EXPERIENCE

2018 — **Software Developer – Genesys Telecommunications Laboratories, Inc** [Markham ON]
- Developed core features within Genesys' microservice-based cloud platform
- Created rest API solutions to improve health and status monitoring for several microservices
- Built full-sized CI/CD pipelines for new microservices, with features including unit tests, integration tests, deployment tests, and clean-up procedures
- Designed and scripted a Jira Status Report email generated and sent to management weekly
  - Formulated graphs and tables based on ticket and developer data pulled from Jira
  - Heavily decreased time needed for sprint planning and resource allocation
- Produced JWT security feature for faster, more secure data transfer within the cloud

2018 — **Software Developer – Tax Transformation Technology, KPMG LLP** [Toronto ON]
- Led the design, plan, & development of KPMG LAYNE – an NLP solution that analyzes lengthy, free form lease agreements
- Created an image recognition module, used by multiple RPA processes in the stack, to increase error trapping consistency (by 40%) and improve unsupervised performance
- Took on several automation projects, including but not limited to:
  - Admin bots (sending/receiving emails, saving documents, planning appointments)
  - Streamlining heavily manual tax return processes/cycles (web apps → database → calculation/processing → Client document generation)

2015/19 — **Private Piano Teacher** [Toronto ON]

NOTABLE ACHIEVEMENTS/PROJECTS

2018 — Coded my **personal website** from scratch in JavaScript without the use of any libraries

2018 — Developed a **blogging web-app in Django** with user creation/registration, login functionality, and a one-time link generator for password resets (handmade encryption and decryption algorithms)

2018 — Built a **sentence emotion analyzer using python machine learning** and NLP libraries. Successfully achieved an accuracy of 88.5% correct emotion detection across various series of tests

2018 — Architected and developed source code for an **arcade claw machine** in VHDL using finite-state machine logic on an FPGA board

2017 — Created a 100'000-digit number calculator in C++

2017 — Ontario Semi-finalists – ECOO programming contest (team of four)

EDUCATION

2017/19 — Candidate for Bachelor of Applied Science, Computer Engineering Co-op – University of Waterloo

2017/18 — High school diploma – French Bilingual Honours Graduate – York Mills Collegiate Institute

INTERESTS/HOBBIES/INVOLVEMENT

- **Volunteering**
  Royal Conservatory of Music [2014/19]
  Swimming Instructor (WS Aquatics) [2017]
- **Music** - Piano performance (RCM), guitar, trumpet, djembe, music composition via software (Instagram: @lionharmonix)
- **Languages** – English, French, and Arabic
- **Sports** – Rock Climbing, soccer, basketball, swimming, longboarding, biking, skiing
- **Other** – Nature hikes, meditation, healthy eating/cooking