

# SHAWN ELBAZ

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## SUMMARY OF SKILLS AND QUALIFICATIONS

**Operating Systems** | Windows • Mac OS • Linux • Android • iOS

**Applications** | Microsoft Office • JetBrains IDEs • Photoshop • Android Studio • Visual Studio • GitHub • SAP • MatLab • Netsuite • Salesforce • Docker • Postman

**Programming** | C# • Python • C++ • Java • JavaScript/ TS • Ruby • Prolog • PHP • HTML • CSS • YAML/JSON/etc..

**Databases** | SQL/MySQL • NoSQL/ MongoDB • Postgres • Cassandra

**Others** | Drivers License • CPR Certified • Canadian Passport + Nexus

**Language Proficiency** | • French: Full spoken & written • English: Full spoken & written

## WORK EXPERIENCE

**Software engineer** → **Lead Developer** → **Development Manager** → **AI Development Manager** → **Senior Engineer/ Manager @ Valpay - Sept 2019- Current** Valsoft Corp, Montreal, QC

- Led implementation of AI/LLM solutions across multiple portfolios, mostly in customer service against knowledge bases, rollout of Intercom, ChatGPT, Cursor to dozens of teams.
- From idea to rollout, implemented and led a team to develop middleware (Agora) for connecting PMS software with and exposing it to 3rd party services like Lightspeed POS, Housekeeping app, Event booking, etc...
  - Azure Stack: Serverless, API Gateway, AD B2C, Service bus, kubernetes + docker, CosmosDB, Storage Tables
- Lead a separate team for development of Valsource; a cold outreach mass marketing tool for M&A as well as selling products of the sub companies
  - Built Python web scraper for company websites, proxy with zenrows
  - Build profile on company, ETL pipeline with fastAPI, AWS lambdas + step functions
  - Find relevant contacts, build profile on contacts
  - Find similarities and synergy potential with existing companies Valsoft owned
  - Generate and send out email via sendgrid, ability to adjust tone, friendliness
- Developed scalable solutions for various domains: Customer Service, Development, Code Reviews, Testing, and Visualization Dashboards
- Implemented best practices in security, PII handling, and scalable deployment for all systems
- Led remote offshore development teams for multiple products, including Agora API, Valpay, and nuclear safety monitoring tools (S&W)
- Designed and implemented cloud-based platforms and services using Azure, AWS, Kubernetes, Serverless framework, Step functions and Docker
- Solve technical issues, create and validate POCs across multiple portfolios (Valpay, Dockmaster, Innquest, VisiumKms, S&W)

**Consultant: Software Engineer - Coop Intern May – Nov 2017** BigBangERP, Montreal, QC

- Writing scripts and test plans in Netsuite to automate and integrate business processes with Suitescript • Creating RESTful API endpoints using CRUD model, and implementing TBA OAuth 1.0 • Implementing DataTables on customer record transactions to enable inline editing for mass edit and submits • Investigate, troubleshoot, propose solutions and fix various client issues in Netsuite
- Design and implement static user webpages to be used in a webstore with checkout
- **Technologies used: Javascript, HTML, CSS, XML, NodeJS, AngularJS, Netsuite, PostMan, Eclipse, Sublime, SVN, OAuth 1.0, GSuite**

## **Software Engineer: Computer Generated Forces - Coop Intern Sept – Dec 2016** CAE Inc, Saint Laurent, QC

- Working in Agile / SCRUM Environment to track and solve bugs in Simulator Software using Jira • Porting methods and functionality using Github version control
- Coding system tests and unit tests to ensure functionality of program
- **Languages used: C++, C#, XML**

## **EDUCATION**

### **Bachelor of Engineering – Software Engineering 2015- 2019** Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Relevant Courses: Object Oriented Programming (Java), Web Programming (HTML, CSS, JS, PHP), Principles of Programming (Ruby, Lisp, Prolog), Data Structures and Algorithms, System Hardware, Databases (SQL), Operating Systems (Multithreading)

### **DEC in Pure and Applied Sciences 2012-2015** Vanier College, St-Laurent, QC

- C++ Programming

### **Herzliah High School (Science and Math Stream) 2007-2012** Private School, St-Laurent, QC

- Won 1<sup>st</sup> and 3<sup>rd</sup> place science fair:
  - Creating an infrared camera to detect veins for injections as well as detecting counterfeit money.
  - Simplicity of hacking WEP networks using Backtrack Linux and Aerodump

## **PROJECTS**

**Chaperone (Hackathon)** : Amazon Alexa Web interface for creating recurring reminders aimed at helping the elderly stick to a routine. Children create tasks for their elderly parents, and set themselves as emergency contacts. The elderly then check-in with Alexa every day to get a breakdown of important tasks that day. If they do not check in, an emergency SMS is sent to the child alerting them to check on their parents. Used Alexa Python SDK for implementing api calls.

**StockAnalyzer (Personal)** : Contributed to a stock analyzer dashboard that can add tickers, view key metrics such as market cap, PE , average daily volume. As well, it has built in graphs so you can see the stock's charts in any timeframe (TradingView API)

**DogSync App (Available on AppStore) 2015** • Helped design the user interface for a dog management application and notifications using InvisionApp • Contributed to the addition of certain features like tutorial flow for first time users

## **INTERESTS**

**Experience Abroad** I love backpacking and traveling across a country, seeing beautiful sights and trying new food. I'm not one to sit in a resort on a beach for a week, I need to explore and see the hidden gems.

**Pastimes** Avid reader of fiction and murder mystery, researching stocks, cycling.

**Passions** I have a deep passion for the world of finance, more specifically equities involving High Frequency Trading and Event Driven trading. I love to learn what makes stock prices move and why, and have started backtesting strategies with QuantConnect. Recently, I have been looking into applications of blockchain and smart contracts into our daily lives. I also love building computers. I enjoy comparing specs and prices to find the perfect machine.