Senior Software Developer
Professional Scrum Master Certified

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Profile

I am a creative, enterprising, objective-oriented computer engineer, specializing in design, development and mounting systems in a Web platform. I would like to continue to gain experience in my field, improve my skills and learn more about the local business culture. I am always looking forward to growing professionally and applying new technologies to difficult problems.

Summary of Qualifications

- Adaptable to change
- Organized
- Motivated
- People oriented
- Strong communication and analytical skills

- **Web languages** (Java 8, **Node.js**, Html5, Typescript)
- Design **mobile** solutions (Android, iOS)
- Design and implement relational databases. (MySQL, MSSQL)
- Document Databases NoSQL (MongoDB).
- Search Engines (Elasticsearch)
- Web Services with SOAP and **REST API**
- **Microservices** (Spring Boot, **Express JS**, Loopback JS)
- **Containerization**: Docker and **Docker Swarm**
- **Cloud**: AWS Deployment of distributed applications

Professional Experience

Senior Software Engineer

Architech http://architech.ca

- Contributing to a logistic management application for the shipping of Coal Internationally.
- Building Microservices to support the load of the application and rapid production deployments.
- Working as a **Full Stack developer** maintaining and improving applications using **Spring Boot** for the backend and **Angular** for the front end.
- Improving the CI/CD pipeline to allow rapid deployments into the development and production servers.
- Creating new features to maximize the work done in the terminals when Trains and Vessels arrive at the terminal to load coal and shipping it around the world.
- Translating business requirements in an Agile environment working with a local and a remote team.
- Designing new features to maximize the time of the crew in the terminals.
- Migrating currently from **Docker Swarm to Kubernetes**.

Software Developer II

Experian Inc. Canada (Full time) http://www.experian.com   **February 2014 – October 2017**

- Accomplished with my Team an effective migration from a legacy Monolithic system to a new Architecture based on Microservices. Queries were optimized by changing the way information was stored and implementing **NoSQL** (**MongoDB**) Databases to store dynamic documents in a more efficient way.
- Search Engines like **Elasticsearch** were used to reduce the time of searching for information by using customized and dynamic queries for the clients.
- Services Discovery systems (**Zookeper**) were applied to maintain more than 10 Microservices collaborating using **Spring Boot** framework.

- In collaboration with my team we have created a Dynamic Hosted Data source solution where clients were able to configure dynamic fields and store their information for future optimized searches. The product is being used in more than 5 Countries including (Australia, UK, Brazil, Canada, Spain, Italy)
- The Agile environment process followed by Experian allowed me to successfully collaborate with local and remote teams in Bulgaria as a Scrum Master of a team of 7 people to comply with the deadlines and the proper planning of the future Sprints.
- During my time working on Experian a DevOps culture was acquired so that we were able to do continuous Integration and Deployment to production servers with automated Tests using **Cucumber** Framework.

Software Development Engineer (Full time)   **October 2010 – March 2013**

Neology, Mexico City - http://www.neology.net/

- Web developer for international car registration system using RFID technology (Nigeria,India,Turkey).
- RFID technology integrator with web and mobile technology (JSF, RichFaces, MySQL, Linux, Tomcat).
- Installing the web systems and training people in different states in Mexico.
- Designed and developed mobile solutions for car registration systems.
- Linux administration for Java Web Platform.
- Lead team of 6 people to work on the improvement and optimization of a web system.

International Work Experience

Neology, Mexico City   **January 2011**

Tolling system proposal in Ankara, Turkey

- Developing, installation and presentation of Radio Frequency Identification solution for tolling service.
- Direct communication with clients to analyze, document, evaluate and manage system requirements.
- Creation of different prototypes using Java to present cars data to the client using RFID readers.

Certifications

Professional Scrum Master | May 2016

Link: Professional Scrum Master Certificate

R programming | October 2016

Link: R Programming

ILSC   http://www.ilsc.com   **Toronto 2013**

- International Business English Certificate.
- Working on Oracle Java SE 8 Programmer Certification and AWS Associate Developer

Education

Degree in Computing Engineering

IPN (Polytechnic National Institute)   Mexico City   2006 - 2010

Professional Development (courses)

- Machine Learning (UoT)
- React Nanodegree
- Relational databases design   - Spring, Hibernate, Rich Faces, JSF frameworks
- Business Intelligence with Pentaho.   - Computer technical support
- Web development with Java technology – R Language
- Practical Machine Learning

Language skills

English: Professional working proficiency
Spanish: Native language

Extracurricular Activities

Swimming, Freelance web and app development, research, learning new

languages. Creating short films.

Personal projects:

-   Mobile App: Express Entry Monitor http://expressentrymonitor.com/

-   This project was created using Loopback JS for the REST API and having Android and iOS for the
    mobile versions of the Application. I have created them myself, delivering the service to more than 6000
    people around the world.

-   Currently doing a Blockchain Nanodegree on Udacity to create Smart Contracts to be deployed to
    Ethereum using Solidity language.

-   I have experience creating and deploying Node JS REST API applications using Express JS and
    deploying them into an EC2 instance on AWS and creating a VPC using load balances to manage the
    load of the requests.