Alfonso David Kim Quezada

Personal Data

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Abstract

I like to create fast, scalable and elegant computer solutions. I am a team lead with experience fostering collaboration, productivity and communication. Planning and structuring work aligned with the product vision.

I have worked with diverse systems, from small internal tools to complex, client-facing solutions, using multiple programming languages and third-party tools. Moreover, I have designed and tuned machine learning models, from data ingestion to deploying them into a production environment.

In 2016 I received my Master in Computer Science where I specialized in machine learning and computer architecture.

Technical Abilities

Operating Systems	Level	Big Data	Level
Linux	MacOS	Advanced	Hadoop	Spark	Intermediate
Windows	Intermediate	Scoop	Luigi	Airflow	Basic
Programming		**Machine Learning**	
Java	Python	Advanced	Pandas	Numpy	Advanced
R	Bash	Advanced	Sklearn	Nltk	Advanced
C	C++	Go	CUDA	Intermediate	OpenCV	Pybrain	Intermediate
Databases		**Cloud Providers**	
Postgres	Advanced	Amazon Web Services	Advanced
MySQL	MongoDB	Intermediate	Digital Ocean	Rackspace	Basic
Web Development		**Virtualization**	
Django (python)	Advanced	Docker	Kubernetes	Intermediate
Play! (Java)	Intermediate	VirtualBox	VM Ware	Basic
Other			
Software Architecture	Advanced	Web Optimization	Advanced
Security	Intermediate	Database Optimization	advanced

Education

May 2016 — M.S. Computer Science
Instituto Tecnológico Autónomo de México
Thesis: ColumnSort implementation in the Standard Template Adaptive Parallel Library
GPA: 90/100 | *Honors*

August 2015 — Short-term Scholar
Texas A&M University, Parasol Lab
Contributed to the development of parallel sorting algorithms in STAPL

May 2007 — B.S. Computer Engineering
Instituto Tecnológico y de Estudios Superiores de Monterrey, CCM
GPA: 86/100

Professional Experience

November 2018 - Today	**VP of Engineering** *Datank*

- Develop a technical strategy, aligned with the company long-term vision
- Measure, maintain and improve quality in the technological platforms
- Oversee delivery, provide visibility of progress and performance of the product
- Engineering team coordination: prioritization and allocation of sprints and milestones
- Plan, design and architect the infrastructure of multiple environments using Amazon Web Services

July 2018 - November 2018	**Analytics Manager** *Grupo Modelo (Ab-InBev)*

- Plan, architect and deploy of the Analytic's Infrastructure using multiple cloud providers
- Introduce to the team the best practices and tools for data mining
- Create the Datalake to gather and store the data for multiple projects, ensuring the security and availability of the data

October 2016 - July 2018	**CTO & Co-founder** *The Data Whisperer*

- Develop a technical strategy aligned with the company long-term vision
- Design, test and ensure availability of the Business Continuity Plan
- Design and implementation of high availability and low latency architectures and data-intensive applications
- Develop multiple prediction algorithms for the marketing and financial industry

March 2014 - December 2016	**Engineering Lead**, *GMV* (Half time)

- Engineering team coordination: work prioritization, allocation and control
- Enable and boost the communication and collaboration between the development team and many external stakeholders
- Ensure the best practices of Agile methodology among the distributed teams
- Guide the hiring process and team expansion plan

January 2012 - December 2013	**Principal Software Engineer**, *Sm4rt Predictive Systems*

- Developed complex pipelines to analyze large data sets
- Created dynamic dashboards to present and compare the KPI of the models
- Design the software architecture and deployment infrastructure of large systems
- Ensure and improve the reliability of predictive models under unusual high loads

June 2010 - January 2012	**Sr. Software Engineer**, *Sm4rt Predictive Systems*

- Design and implementation of multiple machine learning algorithms for bank transactions fraud scoring
- Design and implementation of ultra-low latency systems
- Development of automatization pipelines to create machine learning models
- Design and implementation of high performance web sites and RESTful web APIs

Languages

English: Advanced	**Spanish:** Native Language	**Russian:** Basic