

OSAMA KHAN

CONTACT

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EDUCATION

Coursera (UWashington)
Machine Learning Specialization 2017

Coursera (EPFL)
Scala Specialization 2017

Lighthouse Labs
Web Development Bootcamp 2016

EMC Proven Professional
Data Science Associate 2015

Amazon Web Services
AWS Certified Developer - Associate 2015

Institute of Business Administration
M.B.A. 2011
BS-Computer Science (AI Track) 2009

AWARDS

Institute of Business Administration · Undergraduate Gold Medal Dec 2009

VOLUNTEERING

Manning Publications (Tech. Reviewer/Author) Nov 2016 to Current

Global AI Hackathon (YVR) Jun 2017 to Current

Polyglot Unconference Apr 2016 to Current

Microsoft Student Partner Aug 2006 to May 2011

SUMMARY

Software Engineer with experience in distributed systems, data engineering and backend web engineering. Interests include Philosophy, Machine Learning and History of Science.

EMPLOYMENT

Progressa Vancouver, BC
Intermediate Software Engineer Sep 2016 to Current
Developing microservices in the Fintech space to create automated, data science driven decisions in the consumer lending space and leading development of backend RESTful API for internal applications and other infrastructure automation projects.
Technologies used: Golang, Python, Scala, Akka, Flask, Postgres, Redis, Apache Kafka, Apache Avro, Apache Spark, NodeJS, AWS ECS, ELB, SQS, Kubernetes, Docker, Domain Driven Design

Health At Hand Dubai
Technical Architect Mar 2017 to Current
Consulting a venture capital funded, Dubai based HealthTech startup focused around telemedicine.
Technologies used: Python, Django, STUN/TURN servers, WebRTC, RabbitMQ, WAMP (... protocol not php stack), Crossbar

Lighthouse Labs Vancouver, BC
Mentor Jun 2016 to Current
Help individual students or groups of students as they work through assignments and homework material, perform one-on-one code reviews on assignment submissions and assist the Head Instructor in improving the overall curriculum as a part-time evening Mentor to the immersive web development bootcamp.

Curatio Vancouver, BC
Full Stack Engineer Jun 2016 to Sep 2016
Lead web experience of health app backed by proprietary algorithms to match patients with their support group.
Technologies used: React, Ruby on Rails, Postgres, Docker

Vulcun San Francisco, Bay Area
Product Manager (Remote) Aug 2014 to Nov 2014
Responsible to setting a remote engineering office, sourcing talent and managing product roadmap/backlog while coordinating with the founders & sales team in SF and the design team in Serbia.

Various Positions Jun 2008 to Nov 2015
Business Intelligence, Enterprise Integration, Investment Analysis & Startup Engineering
Lead Business Intelligence/Data initiative at Procter & Gambles's regional distributor. Worked in the Oil & Gas domain mostly working on Enterprise Integration project in the SAP ecosystem leveraging the SAP PI module alongside other enterprise technologies. Consulted known brands as a Digital Media consultant providing technology, mostly interactive games, for below-the-line marketing activations. Notable clients included: Coca Cola, Nokia, and Unilever. Built a funded startup in the telecom space during last year of undergrad alongside an Angel Investor based out of Singapore.

I pivoted and worked as a Senior Investment Analyst between December 2011 and December 2015. During this time I worked on various M&A deals in the Oil & Gas domain spanning across Middle East, Africa and Southeast Asia. As a Private Equity Analyst I worked at the Family Office of the largest conglomerates of Pakistan valued at ~USD 15 Bn. striving to make Food & Energy affordable, sustainable and available. Worked with a young team alongside McKinsey & Co. transforming the Family Office around multiple work streams and lead adoption of new technology for efficient workflows and robust business planning/reporting. Consulted portfolio companies around business and technology strategy, analytics and data science initiatives. Also helped establish foundations of a local startup incubator program.

SKILLS

HUMAN LANGUAGES: Arabic, Hindi, Urdu, English

PROGRAMMING LANGUAGES: Scala, Golang, Javascript/ES6, Python, Ruby

BACKEND WEB: Play, Django, Gorilla, Flask, ExpressJS, Sinatra, Rails

MACHINE LEARNING: Scikitlearn, NLTK, Graph Lab, Apache Spark, RapidMiner, KNIME, Weka

DATASTORE: Apache Cassandra, Redis, MongoDB, SQLite, Postgresql

DEVOPS: Kubernetes, Vagrant, Docker, Bash Script, Heroku, AWS

SOFTWARE ENGINEERING: Compiler Design, Distributed Systems, Concurrent Programming, DDD, TDD, Microservices, Design Patterns

BUSINESS MANAGEMENT: Mentoring, Kanban, Problem Solving, P&L Management, Negotiation, SCRUM, Product Management, Business Intelligence, Project Management, Contracts Management, People Management, Client Management, Consulting

ENTERPRISE BI/ SYSTEMS INTEGRATION: ARIS BPM (SAP), SSIS, SSAS, SAP PI