



Shiraz Hazrat

Backend Engineer + Data Scientist

Highly ambitious, professional backend engineer with proven experience in Python, Linux, and cloud systems. Developed fully operational high-frequency trading systems, ML pipelines, and built Google Cloud data center infrastructure. Love tough challenges and creating great solutions to difficult problems.

CONTACT



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github.com/shazrat

SKILLS

Amazon Web Services

Serverless Applications

API Development

Machine Learning

Linux Administration

Database Administration

Data Engineering

Data Analysis

LANGUAGES

Python

NodeJS / JavaScript

Bash

SQL

WORK EXPERIENCE

Lead Backend Engineer

Fractal Strategies Inc.

San Francisco, CA

Jan 2018 - Present

- Designing and building high-frequency cryptocurrency trading systems.
- Fully cloud-based, written in Python, and primarily serverless/containerized.
- Created multiple data ingestion and transformation pipelines, pulling signals and information from financial exchanges, saving to SQL and NoSQL databases.
- Leveraging LSTM-based deep neural networks for cutting-edge market predictions.
- Successfully trading 24/7 on multiple exchanges globally (GDAX, Bitfinex, etc).

Operations Engineer

Google Inc. - Google Cloud Platform

Mountain View, CA

Jan 2016 - Jan 2018

- Deployed and maintained Google's data center hardware.
- Directly managed 5,000+ server and networking devices.
- Created Python and Bash scripts to automate deployment tasks, reducing project completion time by 15%.
- Partnered with Google Chrome and Google Firebase team to develop their personalized testing environment.
- Administered qualification tests on unreleased server hardware.
- Traveled to 5 international data centers to deploy new infrastructure.

Internal Support Technician

Google Inc. - Corporate Engineering

Mountain View, CA

June 2012 - Jan 2016

- Provided professional technical support to Google employees.
- Debugged Linux systems, Python scripts, and video conferencing systems.
- Handled issues across all Google backend systems and OS platforms.
- Directly managed creation of new technical support team for Motorola Inc.

EDUCATION

B.S. in Physics, Minor in Mathematics and Aerospace Engineering

University of Illinois at Urbana-Champaign

Urbana, IL, USA

Aug 2007 - May 2011

CERTIFICATIONS

AWS Certified Solutions Architect - Associate (2017)

Red Hat Certified Linux System Administrator - RHCSA (2017)