Lead Engineer - Performance, Analytics, Automation Lead Engineer - Performance, Analytics, Automation San Jose, CA Work Experience Lead Engineer - Performance, Analytics, Automation March 2019 to Present Technical Lead wearing numerous hats in a highly visible consulting role for Cisco's Supply Chain Division by working alongside or leading teams across the department including Dev, QA, CI/CD, SysAdmins, Data Analytics   Analyzed platform performance, experimented with Celery settings to identify an optimal solution. ? End result was an update to the number of workers to match the number of cores in production machines, yielding 37% boost in execution speed   Pushing the Data Science envelope by introducing a live visual dashboard (utilized open-source tool - netdata) for Linux Production and QA environments to monitor and analyze machine health metrics physical and virtual machines.   Identified a memory leak within a core platform engine by analyzing 72 hours of soak testing data ? Currently leading the effort to refactor the entire code base to fix the root cause   Bringing awareness to management by being a vocal advocate to migrate to Python 3.7 as EOL for Python 2.7 is approaching   Conducting several Python trainings to hundreds of Cisco software engineers and test engineers around the world Training Front End Engineers to employ Test Driven Development by teaching best practices using Cypress   Identified code deployment inconsistencies and fixed bugs in the automated Jenkins pipelines   Continually monitoring and updating the automated integration tests using Cypress Vetted potential hires of all levels by conducting Python interviews (part of a 4 team interview panel)   Addressed bad Python practices with a focus on performance   Python Code reviewer on Bitbucket/Git   CNH Industrial is a global leader in capital goods especially agricultural and construction equipment Burr Ridge, IL Infosys Ltd - San Jose, CA August 2018 to Present Lead Performance Engineer November 2018 to February 2019 Automating load and stress tests of real-time farming equipment data and metrics through network services to web applications and Azure cloud services using shell scripts and Jmeter   Presented results to the client stakeholders through reports, load statistics, CPU and server metrics, time-measures, graphs and technical engagements with development and QA teams   Identified weak points and points of failure from stress test simulations enabling the client to focus on bottlenecks   Conducted series of distributed

incremental loads with offshore development team   Created postman collections from development and marketing environments to product valuation environment   Recorded UI flows in Blazemeter and exported jmx files to stress test front-end application performance using Jmeter   Continual development of end to end automation of performance tests to generation of reports Computer Vision Engineer Infosys Ltd - Palo Alto, CA August 2018 to November 2018   Designed a live motion detection using a Raspberry Pi 3, robot-kit, camera, python and OpenCV   Trained haar-cascades with images to identify unique objects in demo autonomous vehicle and machinery use cases Python Developer Brooklyn, NY April 2018 to June 2018 https://blog.google.com - Google's site that attracts over a million daily users   Developed reusable streamfield components for a content management system using Wagtail and Django in Python   Automated an end to end taxonomy change through tree shifting in the data object of blog post nodes and redirection of old to new URLs using python   Performed data pulls by querying blog post objects from mysql database using django's QuerySet API   Also used: Agile, JIRA, PyCharm, Google App Engine, Jenkins, Shell scripting, Slack Enterprise Application Developer TEKsystems - Jersey City, NJ February 2017 to February 2018 The Enterprise Metadata Management automated the process of capturing metadata across Risk, Corporate Investment and Treasury systems and enabled users to deal with regulatory authorities in a timely manner   Primarily scaled out the application's features through micro services using Python, Flask, and Cassandra (NoSQL)   Implemented an automated bulk excel upload process using open source python modules: openpyxl and xlsxwriter   Implemented front end components for forms, grids, dashboard, visualizations, SLA, data metrics and admin functionalities using using Angular 5, Google Material, D3, ag-Grid   Handled and inspected complex datasets, deeply nested JSONS, and used data wrangling techniques such as normalizing, cleaning, transforming, joining, and reshaping tables/data frames through in-house Quartz libraries and open-source libraries like numpy and pandas.   Scripted in Python to automate and analyze differences in metadata between releases and environments   Wrote queries to pull metadata and data from SQL Server Analyst T3 Trading LLC - New York, NY June 2014 to June 2015   Gained exposure to technical trading, and programming automated trading systems   Leveraged foreign

currency trades by going long the USD/JPY, yielding over 60% in 20 months   Maintained a competitive GPA as an upper college student at Hunter College   Projects & Hobbies   Developed a digital assistant named Lisa. You may call her at 650-200-2240. (Natural Language Processing, Cloud) ? Feedback is appreciated ? ? Functionalities: * Find out information about Tony or Lisa * Conversational AI * Call Tony   Automated my brother's final college essay by using an open source deep-writing library (G-Cloud, python, nat. lang. proc)   Developing a futuristic space hospital in Unity for Virtual Reality   Network Packet sniffing with Wireshark and Kali Linux   iOS & Android mobile development using Flutter, Google Cloud and Firebase   Raspberry Pi 3 hacks in simple embedded systems for smart home applications   Automated equity and ETF trading strategies using python, numpy, pandas, scikit-learn, matplotlib, etc in Quantopian (https://www.quantopian.com/) Education their respective industries Stanford University October 2018 to November 2018 master Hunter College, The City University of New York May 2016 Links

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