Chris Johanson

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SUMMARY

Software Engineer with professional experience in low-level development on large scale production systems. Goal-oriented with experience teaching myself complex topics in a broad set of technical fields, I like to challenge myself and excel in an environment working in a team which allows me to do so.

EXPERIENCE

Software Engineer - Band 8
IBM   July 2020 - Present, San Jose, CA

· Lead for AI and Machine Learning initiatives for Infrastructure department.

· Lead developer on year long project implementing asynchronous transaction capabilities, wrote assembly logic for client connection management, lead weekly stand up meetings, and set and ensured deadlines were met.

· Designed, developed, and trained Recurrent Neural Network model utilizing LSTM layers and autoencoders for preemptive service outage detection in IMS systems using real time data.

· Created a client facing web assistant leveraging LLM and embedding technologies to enable efficient search and assistance of product documentation, reducing customer request time by up to 90%.

· Diagnosed, recreated, and resolved customer reported issues for mission critical products servicing millions of transactions daily, reducing service request backlog by 52%.

Web Developer
Cornell University   June 2018 - July 2019, New York, NY

· Worked on the frontend Javascript logic for various Cornell websites, front facing to millions of visitors while ensuring performance and scalability.

· Assisted in complete website migration between two different frameworks and wrote python scripts to scrape thousands of pages in order to automate the process

· Integrated data flows with Google Sheets and Workday APIs , resulting in a decrease of manual admin time by 50%.

EDUCATION

Bachelor of Science in Computer Engineering
Cornell University School of Engineering · Ithaca, New York · 2020

COURSEWORK

CS 3410 Systems Programming
Cornell University

CS 4320 Database Systems
Cornell University

CS 4410 Operating Systems
Cornell University

CS 4700 Foundations of Artificial Intelligence
Cornell University

CS 4780 Machine Learning Intelligence Systems
Cornell University

CS 4820 Algorithms
Cornell University

CS 4750 Foundations of Robotics
Cornell University

INVOLVEMENT

Division 1 Varsity Athlete
Cornell Rowing, Cornell Rugby

SKILLS

Front End Frameworks, ReactJs, NextJs, AngularJs, Javascript, Java, Python, HTML, CSS, Robotics, Machine learning, AI, Weightlifting, Rugby, Database, Backend Development, Git, Jest