Han M. Naing

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EXPERIENCE

Senior Software Engineer at Google, Alphabet Inc.   **Aug 2020 - Present**

- Led the migration of intra-metro topology to a new automation system for unifying the optical design system.
- Developed and implemented automation software for designing Googles optical network, reducing design time by 66% and targeting zero-touch human interaction.
- Created models for tracking Googles global optical network topology, facilitating device ordering, demand forecasting, and future planning.
- Collaborated with network engineers to introduce new optical network technologies to Google Network.

Senior Backend Engineer at ShopStyle Inc.   **April 2019 - Aug 2020**

- Managed an in-house search engine processing 20,000 queries per second, supported by a catalog of 20 million products.
- Enhanced the search experience with new filters and improved ranking and sorting methods.
- Implemented a data pipeline to analyze user activities and traffic, enhancing user experience.
- Improved the search system with a recommendation feature by applying NLP on user input

Software Engineer at Cisco Systems Inc.   **January 2017 - April 2019**

- Developed the back-end system for product configuration enabling efficient inventory management for E-Commerce.
- Consolidated the data sources boosting the product modeling teams productivity by 30%.
- Created a data analyzer by comparing product configurations to reduce design mistake.
- Developed a WebEx Chatbot to integrate multiple data sources, convert data into a human-readable format, and enhance user interactions.

Software Engineer at Webroot Inc.   **June 2016 - January 2017**

- Developed a web application to deploy, manage, and monitor hundreds of virtual machine instances on the cloud, optimizing the DevOps team time and resources.

Research Assistant, UCSD CSE Department   **April 2016 - October 2016**
Technician at Murphy, McKay and Associates, Inc.   **February 2012 - August 2014**

AWARDS, CERTIFICATES, ACCOMPLISHMENTS, AND CONTRIBUTION

Co-author for ACM Conference on Human Factors in Computing Systems (CHI)   **2017**
Contributed to *"How Do System Administrators Resolve Access-Denied Issues in the Real World?"*

First Prize and People Choice Award winner of Cisco Hack IT IX   **July 2018**
Developed an application to boost sales and productivity with data analysis, visualization, and intelligence.

First Prize winner of Webroot Hackathon   **January 2016**
Categorized thousands of websites using Machine Learning algorithms on parsed HTML contents.

Cisco Certified Network Associate   **January 2011**

EDUCATION

University of California, San Diego   **October 2014 - June 2016**
Bachelor of Science, Computer Engineering with Provost's Honors

SKILLS

Python, Java, C++, Deno, Flask, Spring Boot, Shell Scripting, Mongo DB, MySQL, Snowflake, Elastic Search, Unix/Linux, Nginx, CI/CD, Git, Docker, Jenkins, Kafka, HTML/CSS, JavaScript, NodeJS, TypeScript