Han M. Naing

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EXPERIENCE

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

- Architected and led the development of automation software to design Googles Global Optical Network, achieving a 66% reduction in design time and enabling scalable, simultaneous multi-design capabilities.
- Led the unification of inter- and intra-metro optical design systems and topology, streamlining processes for device ordering, demand forecasting, and long-term capacity planning.
- Partnered with network engineering teams to introduce cutting-edge optical network technologies into Googles infrastructure. Recognized with the **Google Tech Impact Award** for leading the implementation of GLS, an innovative vendor-less optical line system.
- Developed a device creation workflow to improve inventory management.

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

- Scaled and optimized a search engine capable of processing 20,000 queries per second, powered by a catalog of 20 million products.
- Enhanced search functionality by introducing filters and refining ranking and sorting algorithms to deliver more relevant results.
- Built and deployed a robust data pipeline to analyze user activities and traffic, driving actionable insights for the continuous improvement of user experience.
- Developed a scalable recommendation system by applying NLP techniques to user inputs, improving relevance and engagement.

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

- Developed the product configuration and inventory management system for streamlining E-Commerce operations by consolidated multiple data sources, result in improving efficiency and increasing the productivity of product modeling teams.
- Built a data analyzer to compare product configurations, minimizing design errors and ensuring higher accuracy.
- Created an application for data analysis, visualization, and intelligence to drive sales and productivity, earning **First Prize at Cisco Hack IT IX in July 2018**.

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

- Designed and built an application to deploy, manage, and monitor hundreds of virtual machine instances in the cloud, significantly improving efficiency and reducing resource demands for the DevOps team.

Research Assistant, UCSD CSE Department　　　　　　**April 2016 - October 2016**

- Co-authored the article "How Do System Administrators Resolve Access-Denied Issues in the Real World" published in the **ACM Conference on Human Factors in Computing Systems (CHI) 2017**.

Technician at Murphy, McKay and Associates, Inc.　　　　　　**February 2012 - August 2014**

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