Tustin, CA, 92780

LONG NGUYEN

(424) 419-9282
me@longdhnguyen.dev

EMPLOYMENT

Senior Software Engineer   **Google**   **January 2021 - Now**

- Built infrastructure and open-source multi-cloud platform (AWS and GCP) that process billions of events under trusted execution environment.

- Worked on data infrastructure development for Google Ads Data Hub. Processes hundreds of billions of events Ads events per day in a privacy-safe way.

- Worked on PII matching infrastructure that supports Ads/Marketing measurement for major U.S. household brands. Directly impact millions of YouTube and Search Ads revenue lift.

- Earned C++ and Java readability certification (an internal Google process to demonstrate an engineer can write readable and maintainable code in a programming language.)

Software Engineer III   **NETSCOUT Systems**   **May 2015 – December 2020**

- Full-stack software design engineer. Design and implement solution for multiple customers – major to minor.

- Top 10% Performer within the product team of 19 people. Implemented the Executive Reporting feature for Arbor Edge Defense – a DDoS mitigation solution for enterprises. Helped customers' IT-Ops visualize the traffic pattern and usage in their corporate network. Major customers: British Telecom and General Motors. *(Promoted from Software Engineer I → II.)*

- Team Lead of a Threat Intelligence team of 7 engineers for 6 months. Designed the critical STIX/TAXII threat intelligence feature – one of the four key features of AED. Expanded threat blacklist capacity from 640,000 entries to 6 million. Major customers: Dell, Tata Consultancy. *(Promoted from Software Engineer II → III.)*

- Coached junior engineers and new hires. Wrote and contributed to several internal wiki pages on design and workflow best practices.

- Tripled the throughput of a network flow metrics collection pipeline by utilizing advanced data structures to keep track millions of offending hosts. Data are fed to a machine learning job to learn about traffic patterns. As a result, the machine learning module received more data, improving the model accuracy from about 60% to 87%.

EDUCATION

Worcester, MA   **Worcester Polytechnic Institute**   **August 2013 – October 2015**

- B.S. in Computer Science. GPA: 3.67.

- Undergraduate Coursework: Software Engineering, Software Engineering Security, Computer Network, Computer Network Security, Operating Systems, Algorithms & Data Structures.

SKILLS

- **Backend/Scripting**: Python, Java, C++, Node, Bash.
- **Frontend**: HTML, CSS, Less, JavaScript/ECMAScript, jQuery, React.
- **Storage/Cache**: MySQL, SQLite, PostgreSQL, MongoDB, ElasticSearch, Spanner, Redis.
- **Ops:** Terraform, Jenkins, Docker, Linux, GCP, OpenTelemetry
- **Version control**: Git, Subversion, Mercurial