Boris Ning

Software Engineer

Contact

Email	borisyning@gmail.com

Location

Postal Code & City	20171 Herndon
Region	Virginia

Work Experience

2016-04-25 till 2018-04-27

Software Engineer - DevOps at **Neustar:**

Supported a customer facing DDOS protection platform while enhancing visibility to network traffic.

- Migrated a monolithic application to microservices in Golang on AWS for higher availability, better testing, and simpler deployment.
- Created continuous integration / continuous deployment pipeline using Ansible, Kubernetes, and Gitlab CI.
- Built a network traffic application in NodeJS / React reusing the Vizceral project from Netflix for visualizing aggregating feeds from various network sensors
- Automated scripts for detecting and resolving issues to eliminate costly pages from PagerDuty.
- Identified traffic patterns with Neustar security operations center (SOC) to mitigate DDOS attacks.
- Ensured proper monitoring for GRE tunnel failover in Juniper routers between primary and backup tunnel.

2010-07-20 till 2016-04-11

Software Engineer at **The Boeing Company:**

Developed high performance applications for embedded devices used in signal processing.

- Led a team in research and development to exploit devices for security vulnerabilities.
- Created a map application displaying analytics for commercial cell tower signal range.
- Developed a web application for searching and filtering of device identifiers.
- Enhanced libraries used for high performance C++ signal processing for cellular protocols.

2009-07-01 till 2009-12-01

Intern - Software Engineer at **The Boeing Company:**

Supported test frameworks to increase test coverage over legacy applications.

- Designed Matlab and LabVIEW scripts for controlling various lab equipments.
- Prototyped and processed logs for common signal analysis.

Education

2011-02-04 till 2014-05-30

Johns Hopkins University

- Master: Computer Science

2006-09-01 till 2010-05-28

Rensselaer Polytechnic Institute

- Bachelor: Computer Science and Mathematics

Awards

2014 Team of the Year - Boeing N&SS - E&IS 2015-02-01

Boeing

- Part of a team that demonstrated key capabilities in multi-antenna digital signal processing.

Skills

Backend Development: NodeJS, Java, Go, C++
Cloud Development: AWS, GCE, Kubernetes, Docker, Promethesus, Ansible
Database: Postgres, Redis, MongoDB
Frontend Development: Javascript, ReactJS, CSS, HTML

Languages

English

Interests

Vulnerability Testing: Burp Suite, Kali Linux
Signal exploration: Software Defined Radios (SDR), 802.11 Wi-Fi, Bluetooth, Ham Radio