

Boris Ning

Software Engineer

ABOUT

Goal

An engineer looking to solve real world problems with realistic solutions across various technology stacks

CONTACT

Email

borisyning@gmail.com

LOCATION

Postal Code & City

20171 Herndon

Region

Virginia

WORK EXPERIENCE

2016-04-25 TILL TODAY

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, Prometheus, 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