

# Neil Prabhu

**WEBSITE:** <https://neilprabhu.github.io/>

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A software engineer offering a strong foundation in data science, programming principles and mathematics.

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## EXPERIENCE

### **Software Engineer (DevOps), Juniper Networks**

(June 2016 – Present)

- BaaS – Build as a Service (Kubernetes staged environment for developers)
  - Increased accuracy of Machine Learning (ML) model by +40% and integrated ML model for prediction of build time within source code
  - Setup and maintain ELK stack for telemetry and log analysis
  - Added features to code base
- Logging as a Service (LaaS)
  - Provide ELK cluster for internal engineering to analyze logs and telemetry for infrastructure
- Code-Coverage – Test coverage
  - Auto-Debugger (a project for auto-triaging failures in Code-Coverage)
    - Decreased user reported issues by over 50%
  - Implemented & maintain PostgreSQL master/slave clusters (multi-geo)
  - Triage user and infrastructure related issues
  - Contributed to code base (hotfixes + enhancements)
- Python script automation- remediating failed jobs within a CI/CD pipeline
- Created a web page visualizing test suite pass/fail statistics (CI/CD)
  - Python - collect data from Engineering Data Warehouse (EDW)
  - PHP - transfer and AJAX to load
  - UI - HTML, CSS and JavaScript (Bootstrap), JQuery and libraries like dataTables, fusionCharts, and charts.js

### **Research Assistant, Santa Clara University (Professor: [nlinnell@scu.edu](mailto:nlinnell@scu.edu))**

(December 2016 – April 2017)

- Created a website to promote computer science interest within youth.

### **Data Analytics Intern, Juniper Networks**

(December 2015 – January 2016)

- Analyzed Data Models in Engineering Data Warehouse
- Designed and developed reports and data analytics solutions
- Evaluated and deployed state-of-the-art Business Intelligence (BI) engines
- Gained expertise in BI engines: Tableau, Sisense, Domo, Qlik
- Ensure accuracy & integrity of data through analysis, coding and writing documentation

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## EDUCATION

Santa Clara University (SCU)

(Graduated: June 2018)

500 El Camino Real, Santa Clara, CA 95053

Bachelors of Science: Computer Science

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## SKILLS

Python Perl Ruby C++ C Java Go JavaScript/Node.js HTML CSS PHP Scala SQL

## SOFTWARE

Unix/Linux, Docker, Kubernetes Tableau, Sisense, Elasticsearch, Logstash, Kibana, Capistrano, rabbitmq, celery/flower, Jenkins, MongoDB (NoSQL), PostgreSQL, MySQL