

Neil D. Basu

201-925-7712 | www.neilbasu.com | nbasu02@gmail.com

Work Experience

Software Engineer *Triller*, New York, NY March 2016-Present

- Responsibilities include developing API collaborating with a cross-platform development team for a music video making app with ~3 million users
- Created Linux development environment and maintained production servers for multiple applications, updated using Ansible Playbook
- Set up all database automation and optimized slower queries, collected and analyzed data on community growth
- Worked with business team to develop a feature which game-ified the serving of user-generated videos to increase consumption, resulting in doubling community likes and follows
- Technologies used include Python, Flask, Postgresql, SQLAlchemy, ReactJS, Git, AWS's EC2 and S3, Elasticsearch, and Redis

Software Engineer *Granular (formerly Solum)*, San Francisco, CA April 2013-March 2015

- Major contributor toward design of application's backend, including decision to switch to Pyramid framework
- Built mobile API, including authentication, ajax calls to receive/save data, large portion of database schema
- Worked with external crop protection catalogs to gather data for our database and services
- Actively worked on existing frontend AngularJS code to integrate ajax calls and display data
- Wrote data migrations and trigger functions in Postgresql to manage large and changing schema
- Technologies used: Python, Pyramid, Postgresql, SQLAlchemy, AngularJS, Django

Intern *Splurgy*, San Francisco, CA September 2012-December 2012

- Worked on back-end of Wordpress and Magento plugins of company's online advertising application

Projects

Software Engineer *Feeding Forward*, San Francisco, CA December 2012-February 2013

- Back End Rails developer, built user workflow, notification system, database, and back-end logic
 - Assisted business development by connecting with potential customers and investors
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Technical Skills

- Programming Skills: Python, Postgresql, Javascript, Pyramid, Django, SQLAlchemy, AngularJS, Rails
 - Technological knowledge: Git, Elasticsearch, Redis
 - Proficient in Linux/Unix environments
 - Familiar with AWS services including EC2 and S3
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Education

The College of New Jersey, Ewing, NJ

Bachelor of Arts in Mathematics

Minors: Japanese, Computer Science

GPA: 3.4/4.0; Dean's List

May 2011

Kansai Gaidai University, Hirakata City, Osaka, Japan

Study Abroad Program

Spring 2010

Language Skills

- Intermediate knowledge of Japanese
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Achievements

- Best User Experience for solar prediction algorithm and SMS system, Oakland Cleanweb Hackathon
- Finalist for project Feeding Forward, Angelhack San Francisco