Jungsoo Park

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Experience

HubSpot – *Platform Infrastructure Intern* (Summer 2017)

- Part of the Platform Infrastructure team, responsible for providing and maintaining various backend services used by other engineers and employees.
- Developed, maintained, and improved *CattleProd*, an internal tool written in Java. CattleProd generates configurable notifications that prompt developers to maintain their deployable projects, such as a deprecated dependency that requires upgrading.
- Refactored *CattleProd* to persist notifications (MySQL) rather than generate and send them on the fly. This enabled new types of notifications and a richer feature set. CattleProd is now critical in allowing HubSpot to have hundreds of separate deployables have dependencies on common libraries and update them quickly as needed.
- Wrote a Python script that updates project configurations for each company repository.

UnitedHealth Group, Optum – *Technology Development Program Intern* (Summer 2016)

- Led initial investigation into React.js as a new technology for the company and implemented it into our web app.
- Developed a web admin console used for managing the contents of a mobile app.
- Worked with the testing team to write automated tests using Cucumber and Gherkin.

Open System Solutions – *Student Systems Programmer* (Jan 2015 – Present)

- Part of a team responsible for maintaining a RPM repository of over 3000 packages used throughout a user community of 70,000 faculty, staff, and students.
- Developed Python web applications used by students and faculty of the university (shrunk URL Shortener).
- Performed daily system administration of CentOS, Fedora, and Solaris machines using Nagios.

Projects

shrunk – *The Official Rutgers URL Shortener* (go.rutgers.edu)

- Developed a URL shortener used by hundreds of university faculty.
- Used Flask to serve up the front-end that displays the shortened URLs to the users.
- Created a wrapper/API for the front-end to interact with MongoDB and other short URL generation features.

Multiprocessing Bank Server – *Systems Programming Project*

- Used multiprocessing, threading, and networking system calls to create a mock bank server capable of handling concurrent read/write accesses to the bank data by multiple clients.
- Implemented a memory-mapped radix tree to store bank information for improved access times and to allow access by multiple processes.

Education

Rutgers University – New Brunswick (Expected *May 2018)*
School of Arts and Sciences, Honors Program – GPA: 3.3/4.0
Bachelor of Science in Computer Science

Awards: Dean's List, Dean's Scholarship, Rutgers Scarlet Scholarship

Skills

Technical: Java, C, JavaScript (React), Python, MySQL, MongoDB
Tools: *nix, Git, Phabricator