

NEIL PATEL

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SKILLS PROFILE

- Programming Languages: Java, C, Javascript, HTML, CSS, SQL, PL/SQL, Shell Scripting, Python
- Comfortable in Unix, Windows, Mac OSX, Cygwin, Git, SVN, Mercurial, Eclipse, Amazon Web Services (EC2/S3), MATLAB
- Microsoft Office, Adobe Suite (Photoshop, After Effects, Illustrator, etc.)

EXPERIENCE

Software Developer, iconectiv

5/25/2015 — Present

[Bridgewater, NJ]

- Implemented multiple new features for the application required for the goal of the project: Telephone Number Portability
- Developed SOAP web services for features in order to perform CRUD operations and to communicate with the ActiveMQ broker
- Developed a majority of the UI framework that extended features within the GWT (Google Web Toolkit) and Sencha GXT frameworks for the team to use within their features
- Developing features using the following technologies: Java 8, Maven, SVN, Freemarker, Spring Framework, Eclipse, Jenkins, Oracle SQL Developer, Python, JBoss EAP, ActiveMQ, Vim/Vi, IntelliJ IDEA, Sublime Text, JSON, XML, Jackson, Atom, etc.

Cloud Manager Intern, Ericsson

6/1/2014 — 5/15/2015

[Piscataway, NJ]

- Built a RESTful API and a web interface over the course of the summer that monitored the status of the team's development servers, scraped logs, and called commands to start/stop JBoss on those boxes. It also displayed information about the components that were deployed on the team's application servers. This tool was called the Monitor Operation Control.
- Developed 40+ automated tests for the main product's GUI using Selenium
- Used Git, Gerrit (Code review tool), Bash (Unix shell), Eclipse (IDE), Windows cmd prompt, Vim, JBoss, Glassfish, Weblogic, etc.
- Utilized a continuous integration tool (Jenkins) to run automated tests as jobs within daily Regressions

EDUCATION

M.S. in Computer Science, New Jersey Institute of Technology

9/1/2015 — 5/16/2017

[Newark, NJ]

- Coursework: Data Mining, Image Processing, Data Structures, Algorithms, Operating Systems, Database System Design, etc.
- Learned about OpenCV, Machine Learning algorithms, Computer Vision, Apache Hadoop, MATLAB, Amazon Web Services, etc.

B.S. in Computer Science, Rutgers University

9/6/2011 — 5/17/2015

[New Brunswick, NJ]

- Coursework: Data Structures, Discrete Structures, Linear Algebra, Operating Systems, Systems Programming, Computer Architecture, Internet Technology, Computation and Design of Algorithms, Software Methodology, Software Engineering, etc.
- Learned about multithreading, how to develop a bit torrent client, cryptography, virtualization, etc.

PROJECTS

Climate Change with Hadoop (github.com/neil1023/climate-change-hadoop)

- Created a cluster of AWS EC2 Nodes that distributed the processing of a Map-Reduce job that determined 10 cities that experienced the most change in temperature across 50+ years

CS643 Word Count with Hadoop (<https://github.com/neil1023/CS643-word-count>)

- Wrote up two Hadoop MapReduce Jobs that provided solutions to word counting tasks described within the README

Make or Break (devpost.com/software/make-or-break), Winner of Best Use of Capital One's API at HackNY

- Helped build the backend for this application where I used Flask (Python framework) where the goal of the application was to help users find other users that can repair their broken items