

Justin LeFebvre

Software Engineer

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EXPERIENCE

Senior Software Engineer



CloudLock • Waltham (United States - Massachusetts) • Full-time • Since November 2014

- ▶ Pushed forward an initiative to separate our monolithic application into a set of microservices using Docker and Amazon ECS
- ▶ Developed core functionality on the new platform architecture
- ▶ Wrote technical documentation and participated in design meetings for core architecture improvements
- ▶ Reviewed code via pull requests on github.com

Software Engineer



CloudLock • Waltham (United States - Massachusetts) • Full-time • August 2010 to November 2014

- ▶ Implemented core application features throughout the product
- ▶ Refactored the backend for our main product in all major areas
- ▶ Advocated and championed the use of sound engineering techniques such as unit testing, continuous deployment, and code review
- ▶ Earned the technical lead role for the Collaboration Security Project

Software Development Intern



Basis Technology • Cambridge (United States - Massachusetts) • Cooperative Education Work
• January 2009 to June 2009

- ▶ Enhanced the functionality of the open-source project PDFBox to support Arabic text parsing
- ▶ Learned much about UTF-8 and the Unicode Standard
- ▶ Updated the regression test suite to match the changes made to PDFbox
- ▶ Produced valuable bug reporting information to the Apache Community responsible for the project

Peer Tutor for Mathematics



Northeastern University • Boston (United States - Massachusetts) • Part-time
• September 2007 to December 2008

- ▶ Mentored peers in complex mathematical concepts from a range of courses, including Algebra, Calculus, Probability, Statistics, and Combinatorics
- ▶ Adapted tutoring strategy on a case by case basis quickly and effectively according to the needs of the student

Software Engineering Intern



MITRE • Bedford (United States - Massachusetts) • Cooperative Education Work • January 2008 to June 2008

- ▶ Received United States Security Clearance: S – Secret
- ▶ Developed a software prototype commissioned by the US Air Force for a squad-based command and control solution using commercially available GPS enabled encrypted radios and a ruggedized PDA
- ▶ Demonstrated prototype for members of the US military at a Tech Demo on Hanscom Air Force Base

Student Engineering Assistant



Raytheon • Marlborough (United States - Massachusetts) • Cooperative Education Work
• January 2007 to June 2007

- ▶ Wrote a module to reorient aircraft radar data from current heading as 0 degrees to true north as 0 degrees
- ▶ Created a small C++ program to generate simulation data for use in full-load testing the air traffic control system my team was working on
- ▶ Submitted bug/error reports for tests that crashed the system

SKILLS

Programming Languages

- ▶ Python ●●●●●
- ▶ Java ●●●●●
- ▶ Javascript ●●●●●
- ▶ Rust ●●●●●
- ▶ Go ●●●●●
- ▶ C# ●●●●●
- ▶ Haskell ●●●●●
- ▶ C/C++ ●●●●●

Back-end Web Application Development

- ▶ Django ●●●●●
- ▶ Flask ●●●●●
- ▶ Play Framework ●●●●●
- ▶ PostgreSQL ●●●●●
- ▶ Celery ●●●●●
- ▶ SQLAlchemy ●●●●●

Infrastructure/Deployment Tools

- ▶ Docker ●●●●●
- ▶ Ansible ●●●●●
- ▶ Jenkins ●●●●●

Version Control Systems

- ▶ Git ●●●●●
- ▶ Subversion ●●●●●

Cloud Platforms

- ▶ Google App Engine ●●●●●
- ▶ Amazon Web Services ●●●●●
- ▶ Heroku ●●●●●

Game Engines

- ▶ Unity ●●●●●

Front-end Web Application Development

- ▶ jQuery ●●●●●
- ▶ AngularJS ●●●●●
- ▶ React ●●●●●
- ▶ RxJS ●●●●●

Languages

- ▶ English ●●●●●

Software Developer

Armadyne Inc • Newport (United States - Rhode Island) • Internship • June 2006 to August 2006

- ▶ Developed the UI for a web application used for web site creation
- ▶ Created a client-side application that generates ASP files from XML/XSL
- ▶ Learned how to manage package structures and the tenets of modular and object-oriented programming in C#
- ▶ Migrated existing websites written in ASP to ASP.NET

EDUCATION

Bachelor of Science

Northeastern University • September 2005 to May 2010

- ▶ Major: Computer Science
Minor: Mathematics
GPA: 3.360/4.000
Honors: Dean's List, Dean's Scholarship, The National Society of Collegiate Scholars
Activities: Association for Computing Machinery: Northeastern Chapter (NUACM)

INTERESTS

My Links

- ▶ Github: <https://github.com/jstnlef>
- ▶ Medium: <https://medium.com/@jstnlef>
- ▶ Twitter: <http://twitter.com/jstnlef>

Codingame.com

- ▶ Often participates in AI programming competitions
- ▶ Completed quite a few of the single player problems.
- ▶ <https://www.codingame.com>

HackerRank.com problems

- ▶ Worked through the first few sets of practice problems in the algorithm and functional programming sections of the site
- ▶ <https://www.hackerrank.com/jstnlef>

MIT Battlecode Open Competition Jan 2010 - April 2010

- ▶ The competition is an application of autonomous behavioral programming for virtual robots
- ▶ The entire project is written in Java using their specialized competition package as well as the standard Java libraries

Hobbies

- ▶ Martial Arts: Bujinkan Budo Taijutsu (Ninjutsu) since 2001 – 2nd degree Black Belt
- ▶ Science Fiction, Artificial Intelligence, Robotics, Learning Systems, Role Playing and Board Games, Video Games (both playing and coding)
- ▶ Catching up on Hacker News and other blogs