NICHOLAS SEIDL

Software Engineer - Backend and Middle-Tier

I have professional experience in industry developing backend and middle-tier software in small agile teams. I helped engineer a modular Blockchain platform leveraging Elasticsearch during this past summer. I'm currently looking for a 6 month long co-op from January 2018 through June 2018.

Contact

nicholasseidl@gmail.com

(650)-739-6674

🌐 http://nseidl.io

⚙ github.com/nseidl

in /in/nicholaskseidl

Languages

Java, Python, Bash, C++, ACL2s (Lisp), SQL, DSL

Software

Unix, Elasticsearch, Docker, Openshift, MySQL, git, Stash/Jira, Codehub/Rally, Jenkins (continuous integration), AWS

Courses

Algorithms and Data, Object Oriented Design, Computer Systems, Discrete Structures, Logic and Computation, Fundamentals of CS I & II, Linear Algebra, Probability and Statistics

Interests

Vice President of Pool Club, Photography Club, Basketball, Hiking

Experience

UnitedHealth Group - Optum Technology   Boston, MA
Lead Backend Developer   Summer 2017

- Engineered pluggable Blockchain platform; adapted to bank transaction reconciliation and facilitation (big data)
- Designed, implemented, optimized backend and middle-tier pipeline (Python, Bash): MySQL → .csv → JSON → Elasticsearch → Blockchain → Hash Enforcer
- Leveraged Docker and Openshift for rapid deployment of system infrastructure
- Served as Scrum Master in Agile team of 8: 1 week sprints, 1 week iterations
- Created Shark Tank presentations bi-weekly: demo, business case analysis
- Presented to various high level employees: Directors, Presidents, CIO, CTO, COO

Northeastern University Information Technology Services   Boston, MA
ITS Technician   Jan. 2016 - May 2017

- Aid students and faculty in troubleshooting of hardware and software problems, created incident tickets, general OS and technology helpdesk

Quanergy Systems   Sunnyvale, CA
R&D Software Engineer / DevOps   Summer 2016

- Developed on Agile team of 10 members: optimized custom barebones Linux file system for mass deployment on small embedded systems (LiDARs) to work properly with Quanergy Software (C++)
- Created and tested scripts to streamline testing and preliminary deployment procedures (Bash, Python)
- Improved raw data logging feature for LiDARS using Quanergy software; implemented naming and data logging conventions (XML, JSON)
- Worked on continuous integration for software team (Jenkins, AWS, Stash, git)

Systems and IT Administrator   Summer 2015

- Configured, tested, optimized LDAP integration with Atlassian and Google software suite, Zabbix, Dell Synology (Confluence, Jira)
- Installed Zabbix monitoring tool onto all company machines (Linux/Mac/Windows) along with SNMP reporting
- Troubleshooted proprietary software through command line on Unix/Windows

Education

Northeastern University   Boston, MA
Candidate for a Bachelor of Science in Computer Science Expected: May 2019
College of Computer and Information Science   Sept. 2015 - Present
GPA: 3.4 / 4.0