

DAVID SHRESTHA

davidshr10@gmail.com | <https://dshrestha.com>

Virginia, USA

PERSONAL PROFILE

Software engineer following XP, lean and human centered research and design to build intuitive applications for users.

WORK EXPERIENCE

Lead Software Engineer

USCIS | 2019 - Present

- Designed, managed and implemented technical requirements to support projects throughout the agency
- Mentored new developers to the project through pair programming to increase transparency and gain a shared understanding for collective code ownership
- Provided technical assistance, facilitated collaboration and served as a liaison between stakeholders, vendors and users to identify and remove technical blockers.
- Researched user needs with discovery and framing of the project with user interviews to generate requirements, gain quick feedback and iterate on it
- Analyzed metrics to evaluate testing plans providing guidance to improve performance and quality of tests while maintaining 95% test coverage providing regression.

Software Engineer

Booz Allen Hamilton | 2015-2019

- Transformed asylum processing at USCIS from a mainframe system to a modern enterprise case management system reducing cost of maintaining mainframe systems
- Reduced manual data entry by 70% and achieved quick turnarounds for security checks by increasing automation throughout the process
- Followed lean development process by delivering often to increase the feedback loop and eliminating waste with an empowered team iterating on the quick feedback loop to achieve business goals maximizing user value.
- Practiced extreme programming through test driven development using modern testing frameworks like rspec to achieve more than 95% test coverage

Engineering Intern

WR Systems | JUN- AUG 2019

- Created framework to solve IPC(Inter-Process Communication) between networked computers for a high performance multiprocessing software.

AREA OF EXPERTISE

- Ruby on Rails, Java Spring, SPA(React)
- Secure first programming
- Setting up CI/CD pipelines

EDUCATION HISTORY

- May 2018 Masters in Software Engineering
George Mason University
- May 2015 Bachelors in Computer Science
George Mason University