PETER SOOLEY

Hello, I'm Peter Sooley. I'm a software engineer with 10+ years of experience.

My expertise lies in architecting systems for a variety of interfaces, from web services to specialized applications in air-gapped environments. I'm happy to code all day in Rust or JavaScript, but consider myself a polyglot generalist. I take pride in delivering solutions that adhere to rigorous enterprise IT policies, ensuring top-tier security and compliance. Writing is my superpower and I use it extensively as my process of thinking leaving a trail of documentation and data flow diagrams. I enjoy mentoring others to foster growth and success around me. I tend to naturally take on roles of leadership and keen to set technical direction toward the bigger picture.

I find inspiration in a cup of coffee and the latest from Hacker News. While my passion for technology is undeniable, I'm equally committed to cultivating a fulfilling personal life. I'm looking for a role where I can make meaningful contributions at work while still maintaining a rewarding life at home.

EXPERIENCE

Downstream, Portland, OR — *Technical Director*
| RUST | JAVASCRIPT | VUE | LINUX | AWS | RABBITMQ | MYSQL| MONGO | Aug 2015 - PRESENT (7y)

Downstream is a leader in corporate environmental branding design with a specialty of integrating software into the environment. My time here centered on building content management systems (CMS) for the custom software solutions dreamt up by our designers.

- Built systems compliant with the enterprise-grade security and policy requirements expected by our clients to grow their confidence in us as a software company (clients: VMware, Rockwell Automation, PwC, Schneider Electric, TCS, et al.)
- Owned architectural design and systems management for secure end-to-end data flow to ensure we follow standards and build maintainable systems
- Created Rust server using hyper, tokio, serde, and other common libraries. In 40k lines of code it provides 60+ operations with media processing, testing, generated OpenAPI docs, background tasks, and proc macros.
- Authored docker-based workflows for local development for faster prototyping and a smoother deployment experience
- Created and maintained UIs for our primary CMS as well as other one-off projects using Vue/Javascript with a variety of styling paradigms
- Maintained over 100 legacy LAMP servers with the aim of eventually reducing our technical debt
- Worked across departments for company-wide adoption and understanding of the CMS to help our sales teams sell work that leverages our existing technical property and to introduce our design teams to new features and functionality that they can rely on
- Mentored new team members in best practices and project communications to set a tone of ongoing improvement and personal skill building (team size varied from 3 to 7 members)
- Answered to client security teams on the reliability and safety of our software lifecycle and the data flow of our systems
- Responsible for diagrams, documentation, and training of our systems and processes for business continuity and internal trainings
- Worked remotely and hybrid over several years while maintaining levels of productivity and encouraging good offline-first habits like documentation and meeting agendas notes
- Led the business case and approach for converting our custom CMS into a productized offering to reduce our operational overhead and streamline a stable backend solution for our applications
- Pushed the initiative for ISO27001 certification to make risk escalation a key part of our development lifecycle in a demonstrable way that our clients can begin to trust

Cast Iron Coding, Portland, OR — *Web Developer*
| LARAVEL | JAVASCRIPT | MYSQL | TYPO3 | CMS | LINUX | DOCKER | GIT | Apr 2012 - Aug 2015 (3y)

Cast Iron Coding builds custom web software for clients of all sizes. Their talents focus on making interactive software applications involving extensive business logic development.

- Managed full-stack development lifecycle to deliver and deploy entire applications for individual customers
- Dealt directly with clients from start to finish
- Wrote extensions for Typo3, OctoberCMS (laravel), and Wordpress frameworks for custom requirements like automated localization workflows, unique publishing approval chains, and freeform text editing utilities
- Created and maintained in-house tooling to support development and CI/CD
- Developed front-end integrations and back-end APIs according to design specifications and client requirements
- Responsible for data design and SQL database management per project
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Intel, Hillsboro, OR — *Contract Intern*
| C | GERRIT | GIT | 3G | BASH | UBUNTU | BUGZILLA | ANDROID | TEST AUTOMATION | Mar 2011 - Feb 2012 (1y)

Wrote tests and tools for scanning and approving security of android phone firmware. This internship was made available by a community connection program through my CS courses at PSU.

- Collaborated with others for automated testing of mobile firmware
- Gained familiarity with linux systems for both desktop and mobile
- Took part in global team conversations for daily work
- Wrote scripts in C for test automation and firmware checks

EDUCATION

Portland State University, Portland, OR — *B.S. Arts & Letters*   May 2011

Well-rounded educational career that began as a literature major and rolled into the beginnings of a masters in computer science. This is where I learned C++, Java, and Python as well as the fundamentals of theoretical and practical computer science like operating systems and low-level programming. Of course, I also learned to speak about the mastery of writers like Herman Melville and Virginia Woolf.