Anne LoVerso

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Well-rounded full-stack engineer, expert in test-driven development and pair programming. Practitioner, coach, and consultant for Agile & Extreme Programming. Teacher and advocate for clean architecture design & domain patterns.

VMware Pivotal Labs, 2017 – present

Senior Software Engineer (Pivotal) / Senior Member of Technical Staff (VMware)

- Engineering leader of teams of up to 10 software engineers, onboarding new members, mentoring others, facilitating decision-making, and representing the team needs to stakeholders.
- Designed and built greenfield applications and REST APIs, and worked in legacy codebases, in React, Java, Node, Kotlin, Angular, Python, and Vue.js. Learned new languages on-the-fly.
- Trained and taught client developers in Extreme Programming (XP) principles and practices, including pair programming, TDD (test-driven development), and lean UX practices. Pair programmed 8 hours / day. Wrote unit, integration, contract, & end-to-end automated test suites.
- Supported product managers maintaining a backlog, and supported designers through user research and product ideation, providing a technical lens and feasibility voice to decision-making. Expert at communicating technical ideas to non-technical collaborators. Skilled consultant in stakeholder management, facilitation, cross-functional communication.
- Created and managed CI/CD pipelines in Jenkins, CircleCI, TravisCI, Gitlab, TeamCity, and Concourse that enable Agile teams to confidently release quality software to production.
- Mentored client engineers to be XP evangelists in their own companies. Led workshops to 30+ engineers teaching SOLID principles. Mentored and coached senior client engineers.

Recent Projects

- Medicare enrollment portal (Vue.js, Node, Typescript, .NET Core)
  - Championed refactoring for the team, including "code clean-up Fridays". Taught behavior-driven testing practices. Introduced domain-driven design principles.
- New Jersey Dept of Labor Training Search (React, Node, Typescript)
  - Built a user-facing tool for unemployed New Jerseyans to find training/certification programs backed by a PostgreSQL text search engine. Was in production in four weeks.
  - Being the sole engineer, made all full-stack technical decisions for the product. Trained a replacement engineer for handoff of the entire codebase. Handled stakeholder technical communications, and contributed with PMs and designers to product roadmap & backlog.
- Prescription-tracking software for pharmacists (Java/Spring)
  - Advised on and implemented architectural decisions in microservice distributed architecture. Refactored domain boundary decisions and message queue structure.
  - Improved end-to-end test runtime from 10min to 40sec.
- Consumer retail online return application (React, Kotlin, Typescript)
  - Led the team through getting an app into production within one week.
  - Created a CI/CD pipeline for trunk-based development with blue/green deploys.
  - Mentored client engineers into TDD/XP advocates and thought leaders in their company.
  - Proposed and handled compromises with collaborating technology teams.
- Knowledge Management tool for lawyers (React, Java/Spring)
  - Led engineering on a team of 10 - mentored other engineers, facilitated tech decisions, ran psychological safety workshops, ran meetings with difficult external stakeholders.
  - Built a search engine on ElasticSearch, and taught it to the rest of the engineering team.

Education

Graduate of **Franklin W. Olin College of Engineering** class of 2017 with a Bachelor of Science in Engineering with a concentration in Computing and a GPA of 3.92.

Internships & Additional Experience

- At **Microsoft** (2015), created an internal diagnostic toolkit for the Skype for Business server team, gaining experience in Powershell, Azure, C#, and data storage and visualization
- At **Red Hat** (2014), developed user-friendly command line interfaces for Project Atomic, an open source tool for system administrators.
- At **Insper University** (São Paulo, Brazil, 2015), worked as an education and curricular consultant for the development of a brand-new undergraduate engineering program. I assisted with teaching courses, design of future courses, and 5-year vision of the computing curriculum.
- As the Project Manager of the **Shifting Rhythms** community development project (2017), led our team in receiving over $40,000 in grants, towards creating a technology, entrepreneurship, and art-focused mobile makerspace with youth and partners in Coahoma County, Mississippi.
- In partnership with **Healthy Mothers Healthy Babies Coalition of Georgia** (2017), designed professional business development seminars for novices in the doula practice, using a systems analysis lens and user-centered design methods.