

Annette Spyker Mechelke

<https://annette.mechelke.us/>

PROFILE

Software engineer with over 10 years of experience, primarily developing web services. Passionate about building quality software as part of a high performing team. Demonstrated leader and mentor. Strong sense of ownership, thrives in a start up environment. Enjoy being part of all aspects of the development life cycle. Believes in understanding business needs and building the right solution for the problem at hand.

SKILLS

Languages & Frameworks: Java, Spring, SpringBatch, NodeJS, Python, SQL, Javascript, Ansible

Technologies & Tools: Git, MongoDB, MySQL, AWS (Lambda, SQS, SNS, ElasticBeanstalk), Redis, ElasticSearch, Apache Solr, Latex

Process & Methodology: Jira, Scrum, Kanban, CICD

EXPERIENCE

Fetch Rewards

Madison, WI

Joined as early engineer with thousands of users. Integral part of the development team as we grew to 10M users and 500 employees.

Engineering Manager

Aug. 2021 - Present

Direct Reports: Managed 7 direct reports. Conducted one on ones. Gathered and evaluated feedback for quarterly reviews, and ad hoc as needed.

Engineer Education: Led multiple initiatives supporting continuing education in technology department: implemented Udemy Business, developed technical interviewing curriculum, semi-annual hackathon, and backend engineering group discussions.

Staff Engineer

Feb. 2020 - Aug. 2021

Onboarding Initiative: Created employee onboarding initiative for technology department as it grew to over 150 employees. Curated content for a dozen technical information sessions. Established and executed successful hackathon events for technology and product departments.

Apprenticeship Manager: Managed apprenticeship participants. Conducted weekly one on ones. Collected feedback. Made decisions regarding hiring and conversion to full time engineers.

Senior Software Engineer - Team Lead

June 2019 - Feb. 2020

Team Lead: Lead first new team in transition from single development team to many small product focused teams.

Process Improvement: Worked with team to establish team metrics; automated metric collection process to report on metrics at monthly retrospective. Collaborated with product and project manager to revamp work stream ingestion process.

Senior Software Engineer

Dec. 2014 - June 2019

Major System Refactors: Refactored numerous business critical systems. Points (in app currency) accounting system, Shopping Lists, Pricing, and Offers/Coupons. Each time replaced existing, fragile code based with a focus on increasing maintainability and extensibility, while still completing the refactor in a timely fashion.

Production Support: Played integral role in creation of production support rotation. Implemented numerous improvements to increase supportability of our applications. Set up a Logstash/ElasticSearch/Kibana (ELK) stack to allow ingestion of logs from remote devices and app servers.

Process & Team Development: Established and facilitated weekly technical seminar for development team. Identified need for mentor program, mentored two junior developers. Played key role in transitioning from sprints to kanban workflow.

Shophop, an Amazon subsidiary

Madison, WI

Software Development Engineer

July 2012 - Nov 2014

Tech Stack: Java, Spring, Tomcat, Maven, Apache Solr, Oracle, Git, Javascript, JQuery, Java Swing, Memcached, RabbitMQ, Jira

Java Web Services: Part of a team that developed and supported numerous Java web services. Implemented numerous small improvements, interacting with business users to ensure satisfactory results. Worked across teams to coordinate larger website feature changes, such as expanding search functionality to allow faceted navigation.

Scrum Master: Served as Scrum Master for team of 8 people, helped establish agile development practices, created documentation to facilitate rotation of Scrum Master position.

Novashield Inc.

Madison, WI

Application Developer, Lead for Malware Lab

Jan 2010 - June 2012

Tech Stack: Java, MySQL, Python, Batch script, Bash script, VMWare, Linux firewalls

Infrastructure Management: Managed VMWare servers. Used VM networks and Linux and Cisco firewalls to ensure a safe network for executing malware. Maintained a MySQL database, tracking over 8 million samples.

Java Test Framework: Maintained and improved extensive in-house testing software, written in Java.

Task Automation: Created automation scripts in a variety of languages: Windows batch, bash, and Python.

OUTSIDE EXPERIENCE

Codecinella, Co-organizer: I plan and coordinate events from technical talks to hands on workshops. I have also presented talks on: Git, unit testing, and Conway's Game Of Life for a workshop. (Slides for both available on my website.)

EDUCATION

University of Wisconsin

Madison, WI

Master of Arts, Mathematics; Certificate in Computer Science

2008

Arizona State University, Barrett Honors College

Tempe, AZ

Bachelor of Science, Mathematics; Summa cum laude GPA of 4.0

2006