Baylee Schmeisser

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Pronouns: they/them/theirs

TECHNICAL EXPERIENCE

Software Engineer L5 - **Netflix** - Since May 2022

Leveraged my expertise in AWS to optimize resource utilization, ensure scalability, and improve financial management. I identified and eliminated inefficiencies in deployments and scaling policies, collaborated with internal teams to guarantee capacity, and developed cost-transparency tools. Additionally, I maintained internal financial management tools and applications, enabling accurate forecasting and effective utilization of AWS products. My contributions resulted in cost savings, improved performance, and streamlined financial operations. Technologies included Postgres, Druid, Python, Pandas, Flask, React, Typescript and more.

Lead Software Engineer - **Newsela** - June 2021 to April 2022

Created a robust interface between a DGraph and Postgres ecosystem to enable smoother data flow and minimize errors. This resulted in a single canonical owner of tagging data, faster content creation for staff, and accurate results for customers.

Senior Full Stack Software Engineer - **Dutchie** - July 2019 to May 2021
Revamped the reliability and alerting of the core infrastructure to prevent unnecessary pages and filling in gaps so we could discover issues before our customers. Created an ongoing Risk Matrix meeting with engineers to voice and lift up concerns about safety and security of the software and creating SLO's to better inform decision makers about the risks involved. Reduced pager volume by fixing multi-project reliability and data transfer issues, resulting in more consistent experiences for customers.

Upgraded a time sensitive data transfer system that no longer requires engineering intervention while maintaining sensitive data with SOC2 compliance and creating a 4/5th reduction in the time it took to complete a previously multi-hour process.

Senior Full Stack Software Engineer - **New Relic** - February 2016 to July 2019
Worked as a full stack engineer in the Browser Product, this included shipping the JavaScript agent to run on millions of websites, building the React UI to visualize performance metrics, and scaling the Java/Kafka/Cassandra backend to handle 25 million requests a minute.

Worked as an SRE to create solutions to track reliability metrics against the objectives agreed upon by the team. Implemented process changes to include regular permission audits, runbooks for all alerts, risk matrix reviews, and OKR's to inform prioritization.

Coached developers and participated in the internal community. Leading workshops to teach advanced JavaScript concepts to engineers, hosted lunches for the internal "Engineering Curious" program, and curated book clubs to improve communication skills.

OPEN-SOURCE PROJECTS

I Need Empathy

ineedempathy.com

github.com/itsybits-xyz/ineedempathy

github.com/mxbaylee/ineedempathy

An online card game built using React (TypeScript) and FastAPI (Python) using WebSockets to support multiple players to collaborate on deck building, with the emphasis on a deeper connection and understanding those you are playing with.

Zazu 2.1k ★

zazuapp.org

github.com/bayleeadamoss/zazu

A fully extensible and open source launcher for hackers, creators, and dabblers. It comes with intentional defaults to make it useful out of the box. But everything can be changed to fit your needs. Don't let others tell you the best way to be productive, configure it to be perfect for you.

Dotties Core

github.com/bayleeadamoss/dotties-core

A dotfile manager that works in a distributed and extensible way, utilizing GitHub for package hosting. Dotties' continues to be a creative way to allow sharing of components, allows fast setup of machines, and improves developer happiness.

EARLY CAREER TECHNICAL EXPERIENCE

Senior Software Engineer; Contractor - DAT Solutions - May 2015 to January 2016
Improved a SaaS application using front-end Angular, with continuous integration using technologies including Jasmine, Protractor, and TeamCity.

Further developed the quality of the project by refining code review processes, creating a continual pairing workflow, and improving deployments with Ansible.

Senior Software Engineer - MDx Medical - May 2012 to April 2015
Served the lead role in the creation and maintenance of a web application which received over 19 million pageviews a month. Implemented a new deployment process for the applications that made it fast, reliable, and accessible to all team members.

Software Engineer - Skynet Solutions Inc - November 2010 to April 2012
Lead programming tasks and projects through implementation including enhancements, maintenance, and support for client's applications and interfaces. Created a forum scraping and aggregating platform for campaign analysis.

Application Developer - Online MedSource - June 2009 to July 2010
Created new procedures for easier additions to the current medical records form building software.

Technical Intern - Mabee Center - August 2008 to May 2009
Developed and refactored production applications which resulted in ~200ms faster load times.