Baylee Schmeisser

17+ Years Experience of Full Stack Product Engineering

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Pronouns: they/them/theirs

TECHNICAL EXPERIENCE

Staff Software Engineer - **Twilio** - January 2025 to Present

Owned end-to-end enterprise, customer-facing fraud and security products from concept to production. Developed ML-backed baseline models on device and session signals for internal alerting, using anomaly detection to surface likely attacks and improve model explainability. Improved the device-fingerprinting surface to raise signal quality and integrate results into downstream decisions. Delivered customer-facing products with visualizations and actionable insights that enabled clear fingerprint rules and transparent verdict reasons; updated verdicts based on patterns in visuals and logs. Improved docs, onboarding, and front end flows to shorten "time to first API request".

Technologies included NextJS, Typescript, Node, GoLang, and MySQL.

Software Engineer L5 - **Netflix** - May 2022 to March 2024

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 products and tools that enabled cost-transparency for infrastructure decisions. Additionally, I maintained internal financial management tools and applications, enabling accurate forecasting and effective utilization of AWS products. These 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

Directed a cross-functional effort to establish a single source of truth for tagging data with a canonical store and reliable propagation to both a graph and a relational system. Designed interfaces and guardrails to keep updates consistent despite very different data models, improving integrity and reducing rework. Proposed and led the standardization and automation of Common Core-aligned curriculum-building workflows, coordinating with product, design, and sales to meet back-to-school customer deadlines and enable sales and support to close before renewal windows.

Technologies included Python, FastAPI, Postgres and DGraph

Senior Full Stack Software Engineer - Dutchie - July 2019 to May 2021

Automated a time sensitive, SOC 2 compliant pipeline, cutting a multi hour process by about 80% and eliminated routine engineer involvement. Reduced pager volume by improving alerting, fixing cross project reliability and data transfer issues, and launching a Risk Matrix forum with engineers plus SLOs to guide decisions.

EARLY CAREER EXPERIENCE

Senior Full Stack Software Engineer - New Relic - February 2016 to July 2019

Senior Software Engineer; Contractor - DAT Solutions - May 2015 to January 2016

Senior Software Engineer - MDx Medical - May 2012 to April 2015

Software Engineer - Skynet Solutions Inc - November 2010 to April 2012

Application Developer - Online MedSource - June 2009 to July 2010

Website Developer - Mabee Center - August 2008 to May 2009

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.