

Alex Mechler

585-571-7017 | alex@mechler.dev | linkedin.com/in/amechler

SKILLS

Languages: PHP, JavaScript, SQL, Python, Java, C++

Frameworks/Libraries: PHPUnit, React, React Native

Technologies: SQLite, Node.JS, Docker, Git, Travis CI, Jenkins, Kibana, NGINX, SaltStack, BedrockDB

EXPERIENCE

Fullstack Software Engineer

January 2020 – June 2023

Expensify

San Francisco, CA

- Co-lead and implemented an internal PHP based work distribution system to assign over 10,000 tasks monthly while respecting employee time off and prioritizing on-shift employees for urgent tasks
- Architected an in-house NPS survey to identify target accounts, collect feedback, and automatically flag high churn risk accounts for manual follow up using React, PHP, and SQLite
- Designed and implemented an automatic matching system to pair over 5,000 qualified leads per month with dedicated onboarding specialists and send targeted messaging to non-responsive leads
- Developed an open source, real-time, cross-platform chat and financial collaboration tool allowing users to chat with colleagues, policy administrators, and support agents utilizing React Native, PHP, and C++
- Analyzed stress test results to identify improper NGINX configuration and implemented a fix, resulting in a 10x increase to maximum concurrent connections
- Deployed production ready code daily and oversaw external QA Engineers to ensure that deployed code passed manual tests and newly introduced regressions were promptly fixed or reverted

Software Engineering Intern

May 2019 – December 2019

Expensify

San Francisco, CA

- Worked with a team to develop the Expensify Card, a daily settlement corporate credit card featuring automatically adjusting smart limits to ensure card holding employees could not have unapproved spend beyond policy limits
- Designed a chat-based travel management system using React and PHP allowing employees to book policy compliant work travel on their Expensify Card
- Devised a PCI-compliant method to create unique support agent cards linked to customer cards which enabled agents to book travel on a customer's behalf
- Core maintainer of the React based Concierge chat system which ensured that customers received support responses in under 2 minutes and that higher complexity issues were automatically escalated

Software Engineering Intern

June 2018 – December 2018

Datto

Norwalk, CT

- Developed incremental backup and recovery software in PHP for over 70,000 physical BCDR devices to protect over 200,000 client machines from ransomware and other threats to their business
- Invented a patented method for backing up and restoring file metadata and permissions across differing file systems
- Launched backup and restore functionality for Windows file permissions to Linux-based backup devices for both local and active domain users

PROJECTS

Scripts and Mods for OldSchool Runescape

2020 – 2024

- Created a collection of Java client plugins with over 400 monthly paid users and 1000 monthly free users
- Engineered fully automated scripts allowed users to gain highly valuable items while remaining undetected
- Developed helper scripts that allowed users to complete challenging content far easier by automating complex time and reaction based mechanics
- Scaled the plugins to tackle even the most complex and difficult challenges available in game

EDUCATION

Rochester Institute of Technology

Software Engineering BS

2020