MILLER BATH

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EXPERIENCE

Software Engineer, PayIt   January 2022 — Present

- Resolved 556+ incidents, identfied 30+ underlying causes, and fixed 5+ root cause tickets through debugging and code reviews, contributing to a 25% year-over-year reduction in on-call incidents
- Designed and developed a series of Java tests to automate the generation of recurring eBills, reducing operational completion time by 90% from 5 days to half a day
- Refactored a 3-year-old email notification process, resulting in improved safety, reduced complexity, and enhanced documentation that sends over 40,000 emails a month
- Mentored a Summer 2022 engineering Maintenance team intern, providing guidance on coding best practices, project management, and career development, resulting in the successful completion of multiple projects and a full-time job offer

Technologies: Java, Javascript, Clojure, Python, MongoDB, PostgreSQL, Github, Kubernetes, Docker, JIRA, PagerDuty

Associate Software Engineer, PayIt   January 2021 — January 2022

- Resolved 447 on-call incidents and identified 10+ underlying issues as a member of the Maintenance team
- Created documentation to streamline 5+ monthly tasks and contributed to 180+ unique documents, resulting in a more efficient and organized team knowledge base
- Developed a full stack solution to make thousands of previously hidden bills visible within an admin portal
- Led client calls during high-severity incidents, translating technical information into layman's terms, working with a team to resolve mission critical issues

Technologies: Java, Javascript, MongoDB, Github, JIRA, Confluence, Kubernetes, Docker, PagerDuty

Software Intern, Vizio   June 2020 — November 2020

- Developed an internal developer-focused tool to support the buildout of Vizio's voice search service, used for years after creation by 10+ developers
- Integrated multiple API endpoints to gather correctly formatted data based on user search queries
- Consolidated requests to create a web page simulating a voice search query, helping aid in debugging efforts

Technologies: Python, React, Gitlab, JIRA

Software Intern, Cerner   May 2019 — August 2019

- Developed a web component to import .CSV files using internal UI components
- Implemented error checking for uploaded .CSV files sent via a REST request and parsed using Ruby on Rails
- Successfully deployed the tool, which was utilized by hundreds of clients to efficiently upload and manage thousands of patient records
- Wrote comprehensive unit tests using Jest and RSpec to ensure the reliability of the implemented features

Technologies: React, Ruby on Rails, Github, JIRA, Confluence, Jest, RSpec

EDUCATION

University of Kansas, Comuter Science, Bachelors of Science   2020

Alpha Sigma Phi, Various Positions   March 2018 — December 2020

- Housing Manager
- Professional and Membership Enrichment Committee 2019 — 2020
- Founding Father of the Theta Pi Chapter

Association of Computing Machinery, Student Chapter at KU · Member   August 2017 — December 2020

- Public Relations Chair 2019 to 2020

PROJECTS

Coin Capture   June 2020

- Implemented cryptocurrency market data collection system, aggregating tick-by-tick data from multiple exchanges
- Utilized public Github repositories to integrate 3 different services for fetching, processing, and storing the data
- Collaborated with academic researchers to incorporate data into PhD projects
- Built and deployed Docker containers to a DigitalOcean droplet for standalone data harvesting

Tuun   Aug 2019 - May 2020

- Developed a Spotify web application that leverages a proprietary algorithm to create group playlists and lounges based on connected users' listening history
- Built using React for the front-end UI and C# for the backend, Tuun allowed shared listening rooms to save, load, or create new playlists