

Arthur Kauffman

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SUMMARY

Experienced full-stack senior software engineer with a passion for tackling complex challenges. Currently driving impact at Aledade, a late-stage health tech startup, where my team uses data to revolutionize physician specialist referral patterns. Prior to this, co-created *Campion*, an innovative edge-based serverless circuit-breaking framework for distributed web services. Committed to promoting excellence in software engineering through continuous improvement and mentoring of colleagues.

EXPERIENCE

Senior Software Engineer, Aledade 02/2021 – present

- Spearheaded the development and successful deployment of *Specialist Navigator*, a specialist referral tool that transformed the specialist referral process for physicians. Led a team in building an ETL pipeline utilizing Airflow, DBT, Snowflake, and Postgres to process over 900 million rows of data and developed a streamlined frontend app to surface optimized choices, resulting in lowered costs, better metrics, and a faster experience.
- Optimized and sustained a Python-based data ingestion service for hospital events, processing over 100,000 daily Admission, Discharge, and Transfer (ADT) messages, resulting in efficient data management.
- Successfully collaborated with cross-functional teams in modernizing a complex legacy Angular.js application to a scalable and efficient solution using Typescript, Vue, and Vuex, improving user experience and overall performance.
- Fostered a positive and supportive work environment by mentoring colleagues and teammates, conducting effective 1-on-1 sessions, providing insightful code reviews, and engaging in pair programming sessions to advance their coding best practices and soft skills development.

Software Engineer, Campion 09/2020 – 01/2021

- Developed *Campion*, a cutting-edge open-source framework for circuit-breaking in synchronous service-oriented architectures, offering architecture protection, failure resiliency, micro-service compatibility, serverless design, and single-command deploy on Cloudflare (Workers and Workers KV) and AWS (IAM, CloudFront, Lambda, and DynamoDB).
- Designed and implemented a CLI tool to simplify complex deployment logic and a user-friendly React/Redux dashboard to display real-time traffic metrics and error reporting, streamlining the deployment process and providing valuable insights.
- Contributed to the authorship of *Campion's* case study, demonstrating its effectiveness and impact: <https://campion-breaker.github.io/case-study.html>

Software Engineer, Self Employed 06/2018 – 08/2020

- *APIChoke* - a WebSocket based API testing tool built with Mongo, Node, and Express
- *Dayllo* - a React - Redux - Rails based drag and drop kanban board
- *HelloFlying* - an interactive SVG map visual web app built with React
- *Ticketed* - a project management system built on Rails and PostgreSQL

English Teacher, High schools in Baltimore & NYC 08/2014 – 06/2020

Web Developer, Self-Employed 07/2012 – 08/2014

- Expertly utilized the LAMP stack (Linux, Apache, MySQL, and PHP) to design, develop, deploy, and host a portfolio of 20+ visually appealing, mobile-responsive websites for small businesses, utilizing a diverse range of content management systems such as Wordpress, MODx, and Drupal.

EDUCATION

M.Ed. Special Education, University of Pittsburgh 2015

B.A. Literary Studies, Bethel College 2014