Sage Livingstone

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Experience

GeoVisual Analytics (agtech startup) – Denver, CO (Remote)
Software Engineer: Aug 2022 - Present

- Led development team of 2-3 on core web app end-to-end. Owned architecture decisions, release management, code review, product design, and supported customer operations.
- Shipped product features across the full stack, including data-heavy web views and complex geospatial tools with Mapbox.
- Initiated and drove ground-up frontend rewrite (Vue 3 + TypeScript), reducing initial load times by over 90%, improving feature velocity, and modernizing architecture and patterns.
- Architected and led multi-stage platform migration from .NET Framework 4.8 to .NET Core 8. Restructured into organized monorepo, migrated repositories, implemented proper CI/CD in GitHub Actions, and deployed services to Vercel/Azure without disrupting live users.
- Identified production visibility gaps and built observability stack from scratch, integrating Sentry for error tracking, PostHog for analytics, and Grafana for distributed tracing, metrics, and logging with OpenTelemetry.
- Owned task scheduling system end-to-end across system rewrites: web app for managing thousands of monthly events with state tracking and exports, including async auto-scheduling engine. Reduced manual scheduling work for key users by over 80%.

GeoVisual Analytics – Denver, CO
Software Development Intern: Summer 2019 & 2020

- Added multiprocessing to image pipeline for orthographic tile stitching, reducing processing time by over 80% (Python).
- Created internal flight scheduling dashboard and job Kanban board to streamline operations workflows (Vue, C#).
- Created an automated data backup system, uploading imagery to S3/Wasabi with parallel file uploading, over doubling file throughput (Python+Docker).

Education

University of Wisconsin–Madison: B.S. Computer Engineering, B.S. Computer Science - May 2022

- **Undergraduate Research Assistant**, Graphics Lab – Developed tooling for robot simulation environments (Blender, Python)

Skills

Languages: TypeScript, C#, Python, JavaScript, SQL
Technologies: Vue.js, .NET, MS SQL Server, React Native, Svelte, Azure, Git, Mapbox, Ionic