Matthew Bratrsovsky

The key to success is continual improvement, failing fast, and learning from mistakes.

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SUMMARY

Software engineer specializing in building and operating production systems and internal platforms. Designed and deployed telecom provisioning, dealership management, and real-time streaming infrastructure serving 100,000+ users. Experienced in TypeScript, Rust, and PostgreSQL with a focus on automation, reliability, and workflow efficiency.

WORK EXPERIENCE

Viaero Wireless   May 2022 – Current

Full Stack Developer

- Led cross-functional teams to deliver TypeScript/React applications and Rust CLI tools.
- Analyzed workflows to build integrated solutions serving 100,000+ telecommunications customers.
- Collaborate with stakeholders and train end users.

Solutions Artisan Ltd.   May 2019 – Current

Developer (Contract)

- Cut customer debt and bad debt by **~40%** by surfacing real-time payment data and overdue alerts in the DMS.
- Shrank average transaction time from 30 min to 7 min by automating manual data entry.
- Migrated a legacy on-prem desktop application to a cloud-hosted solution with minimal downtime.

CMB Auto Sales

- Cut customer debt and bad debt by **~40%** by surfacing real-time payment data and overdue alerts in the DMS.
- Shrank average transaction time from 30 min to 7 min by automating manual data entry.
- Migrated a legacy on-prem desktop application to a cloud-hosted solution with minimal downtime.

All About Paws Pet Spa, LLC.

- Designed an attractive marketing website with a mobile-first focus.
- Helped establish and found various business assets.

PROJECTS

Advanced Weather Monitoring   May 2019 – Current

Delivers critical weather monitoring capabilities to local broadcasters

- Empower news reporting teams with tools to capture and edit streams and videos.
- Communicate with VAPIX endpoints for functions including PTZ and temperature control.
- Streaming platform managing **100+** camera towers across multiple geographic regions.

Netops Applications   May 2019 – Current

Collaborate with company leaders to deploy mission-critical software

AutoFLP   Jun 2022 – Current

Transforms operational efficiency for family-owned auto dealerships through comprehensive inventory, billing, and customer management

- Reduce administrative overhead by streamlining previously manual processes with a bespoke SvelteKit fullstack application.
- Integrated Cloudflare Cloudflare R2/S3 and GCP for PDF document management.

Customer Cell Provisioning   Dec 2022 – May 2023

Facilitate provisioner interactions with nodes from multiple providers on Viaero's network

- Developed a provisioning platform built on NextJS that serves over **100,000** customers.
- Streamlined account management for customer service teams by translating user actions into XML requests.

CMB Auto Sales   Aug 2024 – Sep 2024

Deliver customers with information on CMB Auto Sales, a local auto dealership

All About Paws Pet Spa LLC.   Jan 2023 – Current

Attract clients with images, well-written information, and mobile-first layouts

Fiber Troubleshooting   Aug 2022 – Nov 2022

Facilitate individual troubleshooting for 150+ fiber-based corporate accounts with data visualization through SvelteKit and Chart.js

EDUCATION

University of Northern Colorado

Bachelor of Business Administration, Computer Information Systems

- Treasurer, Phi Sigma Pi National Honor Fraternity; Scholar of the Reisher Family
- Relevant Coursework
  - Web Development, Database Design, Systems Analysis, Project Management, Security, Business Intelligence

SKILLS

Technologies (ordered by proficiency)

Languages

 Next.js, Bun/Node, PostgreSQL, React, Rust, Svelte, TypeScript, HTML, CSS, MongoDB, Python, Go

Tools

 Docker, NGINX, Playwright, Vitest, ElasticSearch, S3

Soft skills

 Leadership, Data Analysis, Change Management, Entrepreneurship, Collaboration

Hobbies

 Cooking, Personal Knowledge Management, Writing, Self-hosting, Gaming