

# Matthew Bratrsovsky

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## SUMMARY

Results-driven full stack developer with 5+ years delivering scalable solutions that reduce operational costs and improve efficiency. Proven track record of cutting customer bad debts by 40% and reducing transaction times by 75%. Expertise in TypeScript, Rust, and PostgreSQL, with a passion for architecting innovative systems that serve **100,000+** people.

## 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)*

### **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

### **Tower Camera Site**

- Deliver critical weather monitoring capabilities to local broadcasters by engineering a real-time RTSP streaming platform managing **100+** camera towers across multiple geographic regions.
- Empower news reporting teams with tools to capture and edit streams and videos.
- Communicate with VAPIX endpoints for functions including PTZ and temperature control.

### **Netops Applications**

- Develop and deploy solutions to self-hosted servers, in collaboration with company leaders, for boosted efficiency.
- Troubleshoot procedural bottlenecks and deliver solutions.

## **AutoFLP - DMS**

- 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**

- Facilitate provisioner interactions with nodes from multiple providers on 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 web platform**

- Deliver customers with information on CMB Auto Sales, a local auto dealership.
- Architected a custom customer-focused credit application web form with a focus on security.

## **All About Paws Pet Spa LLC.**

- Attract clients with images, well-written information, and mobile-first layouts delivered with Astro.
- Deployed with Cloudflare pages and GitHub.

## **Fiber Troubleshooting**

- Facilitate individual troubleshooting for 150+ fiber-based corporate accounts with data visualization through SvelteKit and Chart.js.
- Keep teams informed through comprehensive ping tests and interactive charting.
- Improved real-time knowledge by transforming existing, static information to a dynamic PostgreSQL database.

## **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**

- **Expert** (5+ Years) Next.js, Bun/Node, PostgreSQL, React, Svelte, TypeScript/JavaScript, HTML, CSS, Linux, S3, Docker
- **Proficient** (3+ Years): NGINX, Vue, MongoDB, Rust, Python, Playwright, Vitest
- **Familiar:**, Go, ElasticSearch
- **Soft skills:** Leadership, Data Analysis, Change Management, Entrepreneurship, Collaboration

## **HOBBIES**

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