

Matthew Bratrsovsky

▽ Fort Morgan, Colorado

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Summary

I am a full stack developer in constant pursuit of exciting and challenging projects. My admiration for organized structures and data science drives me to further my knowledge of the driving forces in this data-centric world. My favorite concept is "hubris."

Projects

Each of the below apps is hosted on a Red Hat adjacent Linux server with Docker, NGINX, and a PostgreSQL database.

Customer Cell Provisioning: Viera Wireless | Dec 2022 - Present

Next.js, Prisma, SOAP

- Handle a RESTful Node.js web server for provisioning and deprovisioning of customer cell phones
- Transform SOAP queries into RESTful endpoints and display with xml tag parsing and full-node search
- Fully control permissions on endpoints for multiple classes of users with Iron-Session and PostgreSQL

Fiber Troubleshooting: Viera Wireless | Aug 2022 - Nov 2022

Next.js, Prisma, Python, Docker, NGINX

- Wrote, designed, and integrated a JavaScript React app with Next.js client and server to facilitate individual troubleshooting for 100+ corporate accounts
- Wrote a multi-threaded Python Flask app to asynchronously perform SNMP checks on fiber equipment and ping switches and routers
- Transformed existing, static information to a dynamic database with PostgreSQL and Prisma
- Integrated authentication and authorization with JSON web tokens and Next Auth to manage user permissions

Tower Camera Site: Viera Wireless | May 2022 - Aug 2022

Next.js, PostgreSQL, Prisma, Python, Flask

- Capture RTSP streams with a RESTful Python web server
- Create and manage a JavaScript web server with Next.js, Prisma, and PostgreSQL
- Attractively layout and organize camera towers spanning several geographic sectors
- Create an invite-only registration and auth system
- Package and network everything with docker, docker compose, and nginx

BACS488-012 Senior CIS Project: All About Paws Pet Spa LLC. | 2022

<https://github.com/mattkbrat/all-about-paws>

- Communicated with the project sponsor, All About Paws Pet Spa LLC, to establish project scope and requirements
- Coordinated business requirements to the team.
- Developed a webapp using React.js, Supabase, and PostgreSQL to track, create, and announce appointments.

BACS495-029 Advanced Web Development: University Questions & Answers | 2022

<https://github.com/mattkbrat/BACS495-029Final>

- Created a webapp and a REST API using React.js and Express.js to register users and post, edit, and vote on questions.
- Created user authentication functionality.

Experience

Full Stack Developer, Full Time | May 2022 - Present | Viaero Wireless

- Create web apps and deploy solutions using React.js, Docker, Flask, and NGINX
- Carry out change management and lead training for the new apps
- Analyze existing and new business requirements
- Understand deficiencies and collaborate with teammates in various sectors

Software Developer, Intern | May 2019 - Aug 2021 | CMB Auto Sales

- Created and managed a dealer management software suite to create and track customers, administer receipts and billing statements, and record inventory. Communicated and negotiated related, vital business requirements
- Reduced transaction time from 30 to 7 minutes.
- Increased customer awareness and reduced the percentage of customer debt and bad debts by ~40%.

Collections Services Representative | Aug 2021 - Apr 2022 | University of Northern Colorado

Education

University of Northern Colorado | 2020 - 2022

Bachelor of Business Administration - BBA, Computer Information Systems

- Treasurer, Phi Sigma Pi National Honor Fraternity, Delta Rho
- Scholar and member of the Reisher Family

Morgan Community College | 2018 - 2020

Associate of Arts - AA, Accounting and Business/Management

- Treasurer, Phi Theta Kappa International Honor Society

Honors & Awards

Dean's List | 2021 | University of Northern Colorado

PTK All-Colorado Academic Team | 2020 | Phi Theta Kappa

Skills

MOST RELEVANT

SQL, React, Python, PostgreSQL, NGINX, Linux, JavaScript, Flask, Docker

OTHER SKILLS

teamwork, software troubleshooting, software deployment, proactivity, iOS, google suite, database administration, data structures, data analysis, computer information systems, XML, Writing, Windows, Visual Studio, UNIX, Soap API, Scrum, S3, Rest API, QuickBooks, PowerShell, PowerPoint, Operating Systems, OOP, Node.js, MySQL, Microsoft SQL Server, Kanban, Jira, Jenkins, Java, JSON, HTTP, HTML5, GitHub, Git, Excel, CSS, C-Sharp, Angular, Amazon Web Services, Agile, AWS, AJAX, .NET Framework