

Professional Experience:

Securonix | Cyber Security Research and Development Engineer | February 2022 - present

- Developed various internal and external web applications for the Securonix Cyberfusion team, from initial ideas to enterprise product sold to Securonix customers and utilized by company cybersecurity analysts
- Maintained company AWS server and applications following best practices for security, storage and resource management
- Implemented a company training video application modeled on Netflix and Amazon Prime UI
- Designed streamlined interfaces in using React and Next.js integrated with Flask Python and Node.js backends

Vail Resorts | Ski Instructor, Trainer, Front Desk Agent | November 2010 - present

- Customized private lessons for families from around the world, trained new-hire instructors in child focused instruction
- Consistently ranked #1 in instructor priority list for Keystone Resort, driving company value product offered to guests

Eagle County Schools | 5th Grade Teacher | July 2018 - August 2019

- Awarded Connect 2 Learn grant to purchase a set of chromebooks and integrate technology into the classroom
 - Provided differentiated support for special needs students and english language learners in all content areas
 - Created curriculum for Science and Social Studies following state and national teaching standards
-

Recently Developed Applications:

Securonix Employee Growth Plan | Next.js | PostgreSQL | Pandas | D3 | Chart.js | Supabase | MUI | Nodemailer | AWS

Development of employee growth plan application from idea to company wide tool.

- Worked with small team to pitch idea for employee growth plan app to upper management and next new company investors
- Stitched together seven data sources writing multiple python scripts to assemble data for 200+ employees into one database
- Constructed clear data visualization using MUI, Chart.js, D3 and pure CSS to highlight employee and team data
- Integrated growth plan approval process into the app using Nodemailer and Cloudinary node modules
- Created data collection process allowing team admins to customize employee assessments specific to their teams and then distribute new assessments to individual employees automatically upon next login after changes

Securonix Security Assessment | Next.js | jsPDF | PostgreSQL | MUI | Supabase | Axios | REST API | React | AWS

Development of an internal risk assessment tool from idea to customer sold product.

- Built app from ground up using Next.js leveraging server side rendering for optimized speed and scalability
- Replaced time consuming and complicated Excel sheet data collection with a simple, easy to use user interface
- Configured user authentication sign on using Supabase for simple and secure access via company email accounts
- Implemented a pdf export feature for individual risk assessment reports using the jsPDF node package

Securonix Fusion Tube | Next.js | MongoDB | Google Drive | MUI | Supabase | Axios | REST API | React | AWS

Development of internal risk assessment tool for Securonix from idea to customer sold product.

- Developed a centralized application to store and access company training videos, with a clean and organized UI
 - Reduced cost by utilizing company Google Drive for video storage and embedding videos using drive urls
 - Initiated upload and rating features allowing users to add new videos and rate their favorite clips
-

Technical Skills:

Languages and Frameworks: Javascript, Python, Java, React, Node, Jest, Mocha, Chai, Bootstrap, CoreUI, Next.js, Gatsby, Linux, Git

Databases: MySQL, PostgreSQL, MongoDB, MongoDB Atlas, Datastax Astra, GraphQL, Redis, CouchDB

Tools: Pandas, Docker, Postman, Slack, Google Workspace, NPM, Express, Vercel, Netlify, Heroku, Spring Boot, Flask, PM2, Crontab

Certifications: AWS Cloud Practitioner

Education:

Hack Reactor | Advanced Software Engineering Immersive Program

Feb 2021

University of Northern Colorado | Masters in Teaching

June 2018

University of Colorado at Boulder | BA in History | Minor in Japanese

May 2010