

Nathan Burd

< Mobile & Full Stack Developer />



Education

West Virginia University

B.S. Computer Science

Minor in Cybersecurity



Contact Info



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</> Skills

Programming Languages

JavaScript

HTML

CSS

React

React Native

C#

Python

SQL

Sass

Tailwind

Technologies

Flask

Highcharts

D3.js

MS SQL Server

MySQL

HeideSQL

BigQuery

Google Cloud Platform

Firebase (No SQL)

Supabase (postgres)

Expo & EAS

MUI & Paper

Yarn / npm

VS Code

IntelliJ

Jira

Git

Netlify

IOS/Android Simulators

Virtual Box

Stripe



Professional Experience

Growthmentum

Full Stack Development

- End-to-end development of an Ag-Tech platform, responsible for over \$100M of labor forecasting, management and analysis
- Designed and implemented server-side RESTful queries and business logic
- Developed project utilities and reusable components to maintain clean code
- Developed a seamless multi-tenancy solution, allowing for client customizations
- Developed and maintained a responsive web-based dashboard offering real-time insights into vital business metrics
- Ensured a responsive and visually polished user interface, enhancing the overall user experience

The Eighth Notch

Full Stack Development

- Contributed to the development of a retailer fulfillment platform facilitating same day delivery synchronization with UPS
- Developed new features into web-based environments utilizing best UI/UX practices and modern trends
- Developed multiple web-based dashboards to provide real-time insights into key business metrics, system and client performance
- Wrote RESTful queries for the backend API
- Built reusable frontend components and backend functionalities using business requirements from top name retailers
- Engineered multi-tenant friendly solutions to allow client customizations
- Cleaned and parsed client's big data for use within the system
- Queried SQL Server and BigQuery for reporting, charting and business logic

Moodr

Full Stack Development / Technical Lead

- Analysis, design and development of flagship mental health treatment platform for mothers during pregnancy to improve mental health and treat mood disorders
- Shadowed nurses and medical professionals to create application requirements
- Worked alongside clients to understand their business needs and translate them into technical requirements
- Made crucial technical decisions such as development plan, database design, front end design, task management, and more to ensure successful project delivery
- Created server-side RESTful queries and business logic
- Implemented integration with wearables such as Apple Watch and Fitbit.
- Implemented Integration of a texting platform allowing messaging from the application to native mobile device text messaging
- Designed and developed responsive charts, surveys, forms and web pages
- Created custom algorithms to score users responses, giving providers an insight into their sleep, mood, and diet



Professional Experience Cont.

GigUp

Full Stack Development

- Contributed to the design and development of a mobile & web application providing job candidates with the ability to find part time work at their fingertips
- Played a key role in shaping the user interface and experience, influencing feature design and enhancing usability
- Developed reusable front end components and project utilities enhancing development efficiency
- Engineered and developed back-end functions for data retrieval, updates, and interactions
- Worked closely with clients to understand business needs and integrate third-party solutions, such as Twilio, through RESTful web services, expanding application functionality
- Leveraged Firebase Firestore Database for efficient data management
- Integrated Firebase back end with BigQuery for automated analytics reporting, enabling data-driven decision-making and marketing

Fingy3D

Front-End Development

- Collaborated on the development of a hybrid mobile and web application for finger scanning and prosthetic fitting.
- Designed and implemented a custom camera page, enhancing the user experience by enabling precise finger image capture for prosthetic fitting
- Crafted a streamlined submission flow, ensuring efficient data collection and processing to facilitate the prosthetic fitting process
- Created a range of reusable components to maintain code consistency and efficiency, enhancing the overall application development process and front-end performance
- Prioritized user-centered design principles to ensure the application's ease of use and accessibility
- Ensured compatibility across various devices and browsers by developing responsive components
- Integrated with google drive to save processed images and data
- Continuously improved system performance and reliability by addressing bug fixes and implementing minor enhancements based on user feedback and QA testing

Smith & Nephew CORI Virtual Planner

Front-End Development

- Worked closely with orthopedic surgeons and the medical team at S+N to understand their specific requirements and feedback, ensuring that the knee replacement planner application aligned seamlessly with medical guidelines and expectations
- Led a comprehensive overhaul of the CSS styling, ensuring responsiveness and resolving multiple visual bugs
- Enhanced performance across various web browsers and devices by optimizing front-end code
- Leveraged media queries to adapt the design and layout of components to various screen sizes, ensuring a consistent and user-friendly experience across both tablet and web based views
- Significantly enhanced the overall user experience, resulting in higher user satisfaction reports from the medical professionals