

NIKOLAS MANUEL

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[LINKEDIN](#) | [GITHUB](#) | [WEBSITE](#)

SUMMARY

Full Stack Developer with expertise in React, Node.js, and database management. Passionate about creating intuitive user experiences and optimizing backend processes. Proven track record of developing impactful web applications that drive user engagement and business growth.

EDUCATION

Bachelor of Science in Informatics

December 2023

Ira A. Fulton School of Engineering, Arizona State University

- **Relevant Coursework** : Advanced Object Oriented Programming, Human-Computer Interaction, Web Information Management System, Data Structures and Algorithms, Web Design & Development

SKILLS

- **Programming Languages** : Java, JavaScript, Typescript, C, C++, Python
- **Frontend Development** : React, NextJS, CSS, HTML, Tailwind CSS, React Native, Figma
- **Backend Development** : Node.js, Express.js, REST API, Docker, MySQL, MongoDB, PostgreSQL
- **Data Anaysis and Visualization** : NumPy, Pandas, NLTK, Matplotlib, OpenCV
- **Deployment and Integration** : Git, AWS, Firebase, Vercel, Railway, Jest, Cypress, GitHub Actions, Postman

PROFESSIONAL EXPERIENCE

Play4Life LLC - Full Stack Developer

January 2022

- Developed a full-stack web application using React, Node.js, and MySQL, resulting in a 50% increase in customer bookings
- Designed intuitive UX/UI with Figma, improving user engagement
- Built a comprehensive online booking and management dashboard, enhancing operational efficiency
- Automated key business processes, reducing manual workload and improving system reliability
- Attracted over 300 unique visitors in the first month post-launches.

PROJECTS

NeuraNote (Personal Project)

June 2023

- Architected a full-stack note-taking application using Next.js and Express, with a MongoDB database hosted on Railway and Vercel.
- Formulated RESTful API endpoints for CRUD operations on notes, ensuring comprehensive functionality with secure cross-origin requests and user authentication.
- Implemented comprehensive data models in MongoDB using Mongoose, facilitating efficient data storage and retrieval for user and note entities.
- Enhanced application security and user experience by incorporating middleware for authentication and error handling, maintaining high reliability and performance.

Empath (Capstone Project)

January 2023

- Engineered a full-stack mental health journaling application that integrates health data from Apple HealthKit, using React Native for the mobile client and React for the therapist dashboard.
- Established a secure backend using Express and AWS RDS, which handled sensitive health data and user-generated content with compliance to privacy standards.
- Utilized OpenAI GPT-3.5 to automatically summarize weekly journal entries, optimizing pre-session review processes and improving therapeutic outcomes by allowing more focused therapy sessions.
- Assisted in developing the UI for the client's mobile app, ensuring a user-friendly and intuitive experience for journaling and health data tracking.

BookBuddy (Personal Project)

May 2023

- Developed a book discovery and management app by integrating the Google Books API, delivering a seamless mobile experience through React Native.
- Administered Prisma with PostgreSQL for optimal database management, ensuring agile development and straightforward schema modifications.
- Advanced application responsiveness and user experience by implementing sophisticated query functionalities in Prisma to manage intricate relationships and transactions.
- Utilized Google's Gemini API to create a chatbot that acts like a member of your book club, discussing the book you just read and enhancing user engagement through interactive conversations.