Dylan Pereira

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PROFESSIONAL SUMMARY

Full-Stack Developer with 4+ years of experience in web development, automation, and IoT. Proficient in **ReactJS, NodeJS, React Native, and Express**. Seeking Full-Stack roles to build scalable, user centric applications and solve complex problems through technology.

EDUCATION

MS, Computer Science, Pace University   Sep 2023 — May 2025

- GPA: 4.00

B.Tech, Computer Science, Manipal Institute of Technology (Ranked #4 NIRF Universities)   Jul 2015 — Jun 2019

- Minor: Cybersecurity & Networks

WORK EXPERIENCE

Full Stack Developer   Jan 2019 — Jul 2023
TIF Labs, Pvt. Ltd. (Tech Startup)   *Bangalore, India*

- Developed a desktop application for a control systems laboratory using **ReactJS**, **ElectronJS**, **NodeJS**, **GraphQL**, **Prisma**, and **MySQL**, improving productivity by **65%** by streamlining test control and execution.
- Built automation software for healthcare workers during the COVID-19 pandemic using **RPA**, reducing turnaround time by **80%** and eliminating human error by **100%**.
- Engineered an IoT-based Android application with **React Native** and **Firebase**, enabling athletes to track performance with **90% greater accuracy** than the previous system through real-time data collection.
- Designed and implemented over **10** customer relationship management (CRM) systems by gathering business requirements, enabling clients to scale operations and enhance customer engagement.
- Authored and developed a front-end application using **React**, optimizing the user experience for an e-commerce platform and increasing customer engagement by **20%**.
- Created a web scraping program using **NodeJS**, automating the extraction of **10,000+** company descriptions and product prices, enriching internal data, and improving research efficiency by **50%**.

PROJECTS

Full-Stack Developer, Quest - Interactive AI Novel (github.com/htmw/2025S-Codesaurus)   Jan 2025 — Present

- Collaborated an interactive web-based platform that allows users to experience a novel by making choices that dynamically shape the narrative, enhancing user engagement and storytelling immersion.
- Engineered a gamified storytelling experience using simulations to create an adaptive narrative system, making learning fun and engaging while boosting creativity and imagination.

Full-Stack Developer, ChicAI - Smart Wardrobe App (github.com/dylan10293/chicAI)   Jan 2025

- Created a smart wardrobe app using the **MERN** stack to suggest three personalized outfits daily based on user preferences and local weather, integrating **Clerk** for user authentication.

Full-Stack Developer, Pokedex Project (github.com/dylan10293/pokedex_backend)   Dec 2024

- Built a full-stack Pokedex application using **ReactJS, NodeJS, PostgreSQL, and S3**, allowing users to browse detailed Pokemon data.
- Implemented a search and filter feature in the frontend to help users find Pokemon by attributes, while the backend handled API requests to fetch data from external sources.

SKILLS

Programming Languages	JavaScript, TypeScript, Java, Python, HTML5/CSS3
Technologies	Full Stack Development, Web Development, ReactJS, NodeJS, NextJS, React Native, Automation (RPA), Unity, Performance Optimization, Microsoft Azure, AWS, MQTT, Database Management (MySQL, PostgreSQL, Firebase), DevOps