

CRYSTAL DEPALMA

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An adaptable **Full-Stack Engineer** skilled in navigating dynamic, high-responsibility environments, adept at addressing new challenges. Balances technical expertise with strong collaboration skills to drive scalable and maintainable solutions, delivering product from idea to implementation.

EXPERIENCE

Rutgers Full-Stack Coding Bootcamp

Full-Stack Engineer

📅 December 2023 - Current

📍 New Brunswick, NJ

- Built responsive front-end websites, utilizing pre-built frameworks to enhance development speed and consistency.
- Engineered full-stack web applications using **RESTful APIs** and **AJAX** to create dynamic, data-persistent platforms.
- Acquired practical experience with **structured (SQL)** and **unstructured (NoSQL)** databases, adding **robust backend functionality** to applications.
- Practiced industry-standard coding practices, including version control, issue tracking, and peer review, while collaborating on projects with cohorts.
- Strengthened communication, teamwork, and project management abilities through complex project development.

PROJECTS

IntPrepApp

Full-stack MERN application designed for interactive technical interview preparation

- Implemented authentication, progress tracking and **dynamic question management** with MongoDB and GraphQL.
- Built a **RESTful** and **GraphQL API** backend with Express.js, ensuring optimized data operations.
- Developed a structured testing approach with Insomnia to validate API endpoints and edge cases.

SocialNetAPI

Backend API for Social Network

- Designed and engineered a social network API using **Express.js**, **MongoDB**, and **Mongoose ODM**. Integrated CRUD functionality to manage users, friends, and posts.
- Implemented robust API routes, allowing GET, POST, PUT, and DELETE operations, with support for nested data structures for user thoughts and reactions.

EmpTrackSQL

Employee Database Management CLI

- Built a command-line interface application for managing a company's employee database using **Node.js**, **Inquirer**, and MySQL.
- Streamlined database operations, enabling efficient CRUD functionality for tracking and updating employee information.

EDUCATION

Rutgers Coding Bootcamp

Rutgers Full-Stack Coding Bootcamp

December 2023 - June 2024

📍 New Brunswick, NJ

Master of Science (M.Sc)

Pacific College of Health & Science

September 2019 - In Process

📍 FIDI, NYC

Associate of General Science (A.S.)

Bergen Community College

September 2017 - May 2019

📍 Paramus, NJ

RELEVANT COURSES

CompTIA ITF+ and CompTIA Tech+

Udemy

Completed July 2024

SKILLS

Front-End: *Core Web Technologies*

Proficient in HTML, CSS, and JavaScript, with advanced skills in React.js for building dynamic single-page applications. Extensive experience with Bootstrap for responsive design and jQuery for enhanced interactivity and simplified DOM manipulation.

Back-End: *Server-Side Development*

Developed robust server architectures using Node.js and Express, focusing on efficient routing and middleware integration.

Command-Line Interfaces

Leveraged Inquirer.js to build intuitive command-line tools for improved administrative processes and automation.

Databases: *Database Management*

Experienced in designing and managing both SQL (MySQL) and NoSQL (MongoDB) databases, ensuring data integrity and performance.

API Integration

Utilized GraphQL to create flexible and efficient APIs.

WORK EXPERIENCE

Rutgers Full-Stack Coding Bootcamp

Private Child Care Provider

Singhal's Family, Pashelinsky's Family

📅 June 2020 - Current

📍 NY, NY

- **Logistics Management**
Coordinated daily pick-ups and drop-offs to schools, ensuring timely and safe transportation
- **Nutritional Planning and Preparation**
Prepared healthy meals for children, adhering to dietary restrictions and preferences
- **Household Management**
Conducted routine light house cleaning, laundry, and grocery shopping to maintain an organized and clean living environment
- **Schedule Coordination**
Managed and synchronized children's educational and recreational schedules, including organizing playdates and extracurricular activities.
- **Educational support**

TRANSFERABLE SKILLS

Communication Skills:

Developed clear and effective communication strategies tailored to individual child needs, facilitating a nurturing environment. This skill translates into the ability to articulate complex technical details to non-technical stakeholders in development projects.

Innovative Problem-Solving:

Routinely solved complex behavioral and logistical challenges through creative solutions, enhancing daily operations. Applied similar critical thinking and innovation in developing dynamic, data-persistent platforms using full-stack technologies.

Project Management:

Managed multiple schedules and activities, demonstrating strong organizational skills and the ability to prioritize tasks effectively—key to successful project timelines and milestones in technology roles.

Adaptability:

Excelled in adjusting to diverse family dynamics and children's varying emotional and developmental stages. This flexibility is mirrored in tech environments where adapting to new technologies, project requirements and evolving team roles is critical for success.

Team-Collaboration:

Worked closely with parents and other caregivers to formulate and implement developmental strategies that best suited each child's needs – akin to collaborating with cross-functional tech teams to design, develop, and deploy successful software solutions.

CONTINUED SKILLS (STILL WORKING ON IT)

Progressive Web Applications:

PWA Expertise:

Developed PWA's with enhanced offline capabilities, ensuring robust user experience during network interruptions

Version Control & Collaboration:

Git, GitHub (branching, merging, pull requests, resolving conflicts, code reviews)

Wireframing & Design: Figma, Adobe XD, Miro (prototyping, user interface planning)

Tools & Workflows: RESTful APIs, AJAX, Agile methodologies, GitHub Actions

UI/UX: *Design Best Practices*

Committed to best practices in UI/UX design, focusing on usability and accessibility to create inclusive and user-friendly interfaces