

# CRYSTAL DEPALMA

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## Junior Software Engineer | React & Node.js | Learning TypeScript + Cloud

Full-stack engineer skilled in building reliable, data-driven systems with React, Node.js, and Azure. Experienced in RESTful API development, database management, and full-SDLC collaboration within mission-driven teams.

### TECHNICAL TRAINING

#### Rutgers Full-Stack Coding Bootcamp

Full-Stack Engineer

📅 December 2023 - June 2024 📍 New Brunswick, NJ

- Built and deployed full-stack web apps using React, Node.js, Express, and REST APIs.
- Implemented SQL and NoSQL data models supporting secure, scalable back-ends.
- Applied Agile methodology with peer code reviews and iterative feature delivery.
- Practiced complete SDLC processes—from planning to deployment—mirroring production team standards.

### ENGINEERING PROJECTS

#### IntPrepApp

- Designed a full-stack MERN platform for interactive interview prep.
- Engineered secure JWT-based authentication with token rotation and protected routes.
- Created RESTful APIs and MongoDB schema for tracking user progress.
- Delivered responsive, component-driven UI for accessibility and performance.

**Tech Used:** React • Node • Express • MongoDB • Mongoose • JWT • Tailwind CSS • REST APIs

#### TaxBuddyAI

- Built a FastAPI + Azure SQL backend to handle structured tax input and AI-generated guidance.
- Integrated Azure OpenAI for analytics-style responses and automation.
- Implemented secure OAuth2 authentication and API-to-database data pipelines.
- Currently expanding project to include Power BI-style dashboards for visualization.

**Tech Used:** FastAPI • Azure SQL • Azure OpenAI • OAuth2 • REST APIs • JWT

### TECHNICAL SKILLS

**Languages:** JavaScript, Python, SQL, HTML5, CSS

**Frameworks/ Libraries:** React.js, Node.js, Express.js, FastAPI

**Databases:** MongoDB, Mongoose, Azure SQL

**Cloud & AI:** Microsoft Azure, Azure OpenAI Service, Azure SQL

**Practices:** SDLC, Agile/Scrum, API Design, Authentication (JWT/OAuth2), Version Control

**Tools:** Git, GitHub, Postman, VS Code

### EDUCATION

#### Rutgers University Coding Bootcamp - Full-Stack Engineering Program

**Certificate | December 2023 - June 2024**

📍 New Brunswick, NJ

*Completed 400+ hours of intensive software engineering training (equivalent to one year of undergraduate-level computer science coursework).*

#### Bergen Community College

**Degree | Sept 2017 - May 2019**

📍 Paramus, NJ | Associate of General Science (A.S.)

*Equivalent to two years of undergraduate coursework.*

*Education equivalent to a Bachelor's in Computer Science through accredited coursework and university-backed certification.*

### PROFESSIONAL EXPERIENCE

#### Private Childcare Provider | Self-Employed

June 2020 - October 2025 📍 NY, NY

- Managed logistics and communication for multiple clients in dynamic settings.
- Completed a rigorous full-stack engineering program while working full-time—demonstrating discipline, adaptability, and self-management.
- Cultivated empathy, communication, and reliability—skills directly transferable to collaborative software teams.

### CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900)

**In Progress | Exam Scheduled Nov 2025**

CompTIA ITF+ and CompTIA Tech+  
**Earned Jul 2024**

Microsoft Azure Administrator Associate (AZ-104)

**In Progress | Expected Jan 2025**

### CORE SKILLS

React.js • Node.js • Express • FastAPI • Azure • REST APIs • SQL • JWT/OAuth2 • CI/CD • Agile • SDLC

\* U.S. Citizen — fully eligible for U.S. Security Clearance (DoD/Defense roles welcome)