Dev Patel

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WORK EXPERIENCE

7-Eleven   **July 2022– September 2022**
Sales Associate   *Roselle, NJ*

- Processed payments for high-volume sales events, improving transaction efficiency by 20%.
- Monitored inventory levels and restocked products, reducing out-of-stock instances by 15%.
- Ensured compliance with health and safety protocols, contributing to three successful audits with zero discrepancies.

EDUCATION

Rutgers University   **May 2026**
Bachelors of Science in Computer Science   *New Brunswick, NJ*

Projects

Interpreter | C++   **January 2025 - Current**

- Developing an interpreter for a custom programming language, focusing on parsing, lexical analysis and execution of code.
- Implementing error handling and optimization techniques to improve runtime efficiency.
- Designed and documented language specifications, ensuring clarity and scalability for future development.
- Conducted unit testing to validate interpreter functionality and ensure robustness across edge cases.

Arrange | *Java, Typescript*   **July 2024 – Sept 2024**

- Built a scheduling platform using Angular and Spring Boot, integrating RESTful APIs to reduce load times under 2 seconds.
- Implemented JWT-based user authentication and authorization to enhance application security
- Optimized frontend-backend integration, improving application efficiency.
- Conducted user testing and incorporated feedback to refine the user interface and improve usability.

VitalityHub | *Typescript, Java*   **April 2024 – July 2024**

- Developed a fitness app with a user-friendly interface using HTML5, CSS3, and Next.js.
- Created a dynamic and interactive elements to enhance user engagement and retention.
- Implemented response design principles to ensure compatibility across multiple devices and screen sizes.
- Integrated a MongoDB database to store user data and workout plans, ensuring scalability and performance.

Additional

Languages: C, C++, CSS, Go HTML5, Java, JavaScript, SQL, Typescript..
Frameworks: Angular, NextJs, Node, React, Spring, Tailwind.
Tools: AWS, Git, Github, Jira, JWT, Linux, Maven, Postman.
Other: Authorized to work in the US without sponsorship.