

**Ronil Patel**

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**Career Experience: Software Developer at Integ Enterprise Consulting**

**Feb 2022 - Dec 2023**

- Full Stack Development: Played a key role in full-stack development projects, contributing to both front-end and back-end components of enterprise software solutions.
- Front-end Development: Developed and maintained user interfaces using HTML, JavaScript, and React, ensuring responsive and intuitive user experiences.
- Back-end Development: Designed and implemented robust back-end systems using Node.js, Express, and SQL databases to manage data storage and retrieval.
- Database Management: Utilized SQL for database design, query optimization, and data manipulation tasks, ensuring efficient and reliable data storage and retrieval.
- Data Pipeline Optimization: Spearheaded the implementation of a new data pipeline, reducing data processing time by 50% through efficient ETL processes and database optimizations.
- Cross-functional Collaboration: Collaborated with cross-functional teams to gather requirements, design solutions, and deliver high-quality software products that meet client needs.
- Troubleshooting and Issue Resolution: Diagnosed and resolved technical issues across the software stack, ensuring optimal system performance and minimal downtime.
- Agile Development Practices: Worked in Agile environments, participating in sprint planning, daily stand-ups, and retrospectives to deliver iterative improvements and meet project milestones.

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**Technical Skills:**

- Programming & Development: Possess advanced proficiency in Python, SQL, and comprehensive Full Stack Development skills, including mastery over front-end technologies such as HTML, CSS, JavaScript, and React, as well as back-end development using Node.js and Express.js frameworks. Capable of constructing scalable, responsive web applications and services that effectively meet user needs and business objectives.
- ETL Tools & Data Engineering: Equipped with hands-on experience in leveraging Apache Spark and AWS Glue for the design and optimization of ETL processes. Demonstrates a strong ability to ensure efficient data extraction, transformation, and loading, facilitating seamless data integration and supporting analytics-driven decision-making.
- Version Control: Skilled in employing Git for robust version control and supporting collaborative development workflows across distributed teams. This proficiency guarantees code integrity, facilitates effective code review practices, and enhances team productivity and project continuity.
- Technical Proficiencies: Showcases a demonstrated capability to apply a broad spectrum of advanced computer skills and technical knowledge in addressing complex software development challenges and data processing tasks. Known for optimizing processes, driving continuous improvement, and innovating solutions that leverage both application development and data engineering competencies.
- Soft Skills: Renowned for exceptional problem-solving skills, complemented by effective communication abilities, adaptability to rapidly changing project requirements, and a propensity for fostering positive team dynamics. Maintains a strong work ethic and a relentless commitment to achieving excellence in all endeavors.
- .NET Framework & Learning Initiatives: Engages with the .NET framework at a beginner level, focusing on acquiring and enhancing skills in C# and ASP.NET for the development of robust web applications, desktop applications, and services. Actively seeks learning opportunities to expand technical expertise in both application development and data engineering landscapes.

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**Education:**

**FlatIron School, New York**

**March 2022-October 2023**

*Full Stack Developer, Software Engineering*

**Midlands Technical College, Columbia, SC**

**July 2018-July 2021**

*Marketing/communications Bachelor's Degree in Marketing*

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**Technical Projects:**

**E-commerce [Github Video](#)**

- Enabling users to buy and sell sneakers. Implemented user authentication, real-time pricing data, transaction history, and user reviews, fostering trust and community engagement.
- Secure User Accounts: Implemented a robust authentication system for user registration, login, and password recovery, ensuring the security of personal information and financial transactions.
- Product Listings: Created a user-friendly platform for listing and browsing sneakers, product descriptions, images, and pricing information.

- Real-time Pricing Data: Integrated APIs to provide real-time pricing and market data for sneakers, giving users insights into market pricing.
- User Ratings and Reviews: Enabled users to leave feedback and reviews, fostering trust and community engagement.

#### **Number Guesser** [Github](#) [Video](#)

- Developed an engaging Number Guesser game in C#, challenging players to guess a secret number within a specific range, enhancing logical thinking and user engagement.
- Implemented three difficulty levels (Easy, Medium, Hard) to cater to a wide range of users, from beginners to advanced players, making the game accessible and enjoyable for all ages.
- Designed a user-friendly console interface that provides immediate feedback on each guess, informing players if their guess is too high or too low, thereby refining their guessing strategy.
- Incorporated robust user input validation to ensure a smooth gameplay experience, preventing common errors and enhancing user satisfaction.
- Utilized .NET's Console Application framework for the game's development, demonstrating proficiency in .NET technologies and C# programming.
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#### **Serpent Safari** [Github](#) [Video](#)

- Dynamic Maze Generation: Each playthrough offers a unique maze layout, ensuring fresh challenges and endless replayability. Navigate through narrow corridors and open spaces while avoiding dead ends and obstacles.
- Power-ups and Abilities: Discover power-ups scattered throughout the maze, granting temporary boosts and abilities. Double your score, unlock rainbow mode for colorful visuals, and more. Choose when to activate these power-ups strategically to maximize your score.
- Immersive Visuals and Sound: Immerse yourself in vibrant, visually appealing graphics and animations. From lush maze environments to sleek snake animations, every detail enhances the gaming experience. Dynamic sound effects and background music further elevate the immersion, creating an engaging auditory experience.
- Highscore Tracking: Compete against yourself and other players by aiming for the highest score. Track your progress and achievements as you strive to climb the leaderboard and cement your place as the ultimate maze master.
- Intuitive Controls and User Interface: Enjoy seamless gameplay with intuitive controls designed for ease of use. Navigate menus and options effortlessly, allowing you to focus on the action-packed gameplay without distractions.
- Customizable Settings: Tailor your gaming experience to your preferences with customizable settings. Adjust audio, graphics, and control options to suit your playstyle and device specifications.
- Multi-platform Compatibility: Play Snake Adventure: Maze Mayhem across a variety of platforms, including PC, mobile devices, and gaming consoles. Seamlessly switch between devices without losing progress, ensuring you can enjoy the game anytime, anywhere.