**Swapnil Patel** *(He/Him)*

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**SUMMARY:**

Graduate student majoring in Computer Science (concentration in Frontend) with **4+ years** of software development full stack development experience, seeks opportunities in Software Development/Architect/Full Stack/Frontend related fields.

**TECHNICAL SKILLS:**

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| Programming Languages | Golang, Typescript, JavaScript, java, PL/SQL, Dart, Node.js, Swift |
| Operating System | Apple macOS, Microsoft Windows, Linux, Android |
| Framework | Angular, ExpressJS, Flutter, Android, React.js, Artillery, NgRx |
| Web Development | HTML/HTML5, CSS2/CSS3, XML, AJAX, JSON, Material Design |
| Database | Oracle 12c, 11g, MySQL, NoSQL, Google Firestore, Google Realtime Database, MongoDB |
| Application Server | Google Firebase, Azure, Oracle WebLogic, Apache Tomcat |
| Concepts | Relational Database, Data Structure, OOP, Microservices |
| Tools | VS Code, Postman, GitHub, Figma, Prettier, Oracle BI Publisher, WebADI, Oracle ADF, UiPath, Github Workflow |
| Others | GIMP 2.10, Adobe Photoshop, Adobe Lightroom, Photography, Craft, Microsoft Office |

**PROFESSIONAL EXPERIENCES:**

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| Consultant at Deloitte USI, Bangalore India | March 2020 – August 2021 |
| **-** Developed **10** **Oracle** **BI reports and 5 Conversions** with fluid requirements within 3 sprints by designing and using reusable templates | |
| **-** Improved performance and turnaround time of known slow conversions by up to 15% using **explain plan, Oracle hints, and creating indexes** | |
| **-** Developed lite, flexible, and reusable components in **Angular** and shared them with the team for a consistent and extensible design | |
| **-** Fixed memory leaks and performance tuning-related issues by conducting Load & Stress testing on **ExpressJS** services using **Artillery**. | |
| **-** Automate various manual forms of Oracle cloud ERP that lacked web ADI & were dawdling and prone to manual errors by creating **UiPath bots** | |
| **-** Simultaneously worked on 2 other projects as a full-stack developer and system architect as part of the Firm initiative program by Deloitte. | |
| **-** Worked with the UX team to translate **Figma** UI templates into repeatable technical solutions by mentoring a frontend team of 3 members. | |
| **-** Rebuilt a 3-year-old internal bot tool in **Angular, NgRX and NodeJS** with user experience redesign and release it for beta testing within 8 months. | |

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| Analyst at Accenture Solutions Private Limited, Bangalore India | September 2016 - March 2020 | |
| **-** Developed **12 conversion, reports, and extension** components for the fluent transition of clients while ensuring data quality and consistency. | |
| **-** Developed lightweight REST APIs using **Node.js** to securely sync end-of-business records from 3rd party vendors to **Oracle 11g** with reporting. | |
| **-** Automated **XLIF** translation and deployment by maintaining a global dictionary and reducing rework by up to 30% for **Oracle BI reports**. | |
| **-** Developed an **Angular** web app for dashboards and reports for 24x7 monitoring system resource status with email triggers audited manually. | |
| **-** Provided excellent customer service during support roles to pen down client requirements into the service tool during the planning phase. | |
| **-** Helped transitioned the deployment from agile to CI/CD by switching from Jenkins to **GitHub workflow** completed with testing sequence. | |

**EDUCATION:**

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| **Master of Science, Computer Science** | **Expected Graduation: April 2023** |
| University of Houston – Clear Lake, Houston TX | **GPA: 3.7/4.0** |
| > Related coursework: Design and Analysis of Algorithm, Advanced Operating System, Concurrent Programming | |

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| **Bachelor of Engineering, Computer Science and Engineering (honors)** | **Graduation: June 2016** |
| Chhattisgarh Swami Vivekanand Technical University, Chhattisgarh, India |  |
| > Related coursework: DBMS, Problem solving and logic building using C, Programming in Java |  |

**OTHER EXPERIENCES:**

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| Graduate Teaching Assistant  **-** Department of Computer Science in University of Houston – Clear Lake, Houston TX | September 2021-Present |
| **-** Helped to improve grades of students by up to 30% by conducting extra classes and labs with an additional focus on low-performing students. | |
| **-** Curated quizzes and assignments as per the latest programming trends to enhance the existing syllabus with the help of Professors. | |
| **-** Managed multiple classes under different Professors and assessed all the assignments with high accuracy within deadlines and grade reporting. | |
| **-** Responsible for grading final projects of graduate students, including design document review, presentations, live demos, and code assessment. | |

**ACHIEVEMENTS:**

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| Community Service (Houston Foodbank) | Managed and trained new volunteers for the grocery distribution process on campus. (30+ hours) |
| Google Code-Jam 2022: | Successfully cleared the qualification round of **Google Code-Jam** **2022** and competed in round 1**.** |
| Hawk Scholarship | Awarded competitive Hawk Scholarship at UHCL for profuse academic history and work experience. |

**ACADEMIC PROJECTS:**

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| **“*iOS app for Carpooling*”:** | Carpool App with Realtime car status, trip booking, and chatrooms with minimal server hits per session. |
| **“*Chain Referral System*”:** | Self-balancing referral points distribution system implemented in **Firestore** and **Cloud Functions**. |
| **“*Multi-Client-Server System*”:** | Small-scale application based on a split architecture with fault tolerance server design with a proxy server. |
| **“C*ustom footwear*”:** | An ecommerce site that enabled users to design their own footwear, features like material compatibility etc. |
| **“Template for Angular webapp”** | This project act as a basic framework for a web app with authentication, routing and connection with firebase |