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:

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:

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.

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:

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

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:

Graduate Teaching Assistant
September 2021-Present

- Department of Computer Science in University of Houston – Clear Lake, Houston TX
- 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:

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:

"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.
"Custom 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