Harsh Patel

Piscataway, NJ 08854 | reach.harsharsh@gmail.com | +1(732)-799-5893

SUMMARY

Graduate student of Computer Science with 3 years of experience in software development. Proficient in **JavaScript**, **Java**, **Google Cloud Services, SQL** and **NoSQL**, with experience in **Agile and Scrum methodologies**, **test-driven development**, and **Git**. Skilled in analyzing, designing and building scalable, high-performance web applications with **React**, **Node.js**, **Express**, and other modern technologies. Strong **problem-solving skills** and ability to adapt to new technologies and tools.

EDUCATION

Master of Science(M.S.) in Computer Science
Stevens Institute Of Technology, Hoboken, NJ   Graduated: May, 2023
● **Relevant Coursework**: Data Structure and Algorithms, Database Management System, Operating Systems,
            Web Programming, JAVA, OOP, Cloud Technologies

Bachelor of Engineering(B.E.) in Computer Engineering
Vishwakarma Engineering College, Gujarat, INDIA   Graduated: August, 2020
● **Relevant Coursework**: Data Structures, Analysis of Algorithm, Software Engineering, Computer Networks, Core Java,
            Advanced Java, .Net Technologies, Operating Systems, Cyber Security, Theory of Computation,
            Digital Electronics, PHP, Data Warehouse and Data Mining, Artificial Intelligence

TECHNICAL SKILLS

Programming Tech: JAVA, JavaScript, Python, C/C++, J2EE Servlet/JSP, XML, JSON, PL/SQL, NoSQL, HTML, CSS3
Frameworks: Express(Node JS), React, JQuery, .NET framework, Angular, Spring MVC, JUnit Testing
Tools: VSCode, Dev C++, Eclipse, Postman, Oracle, MongoDB, MySQL, PostgreSQL, ApacheTomcat
Cloud Technologies: Google Cloud Platform, AWS, EC2, S3, RDS
DevOps Tools: Git, Kubernetes, Docker, CI/CD Tools
Project Management Tools: JIRA, Trello

WORK EXPERIENCE

KOS Technologies Full Stack Developer   December 2022 – June 2023
● Designing and building scalable, high-performance web application using **JavaScript, React**, **Node.js**, **Express**, **Firebase cloud database** and other modern libraries and frameworks
● Deployed **50% faster and optimized** google cloud function for new and better data collection
● Collaborating with cross-functional teams to **impose new ideas**, **features** and **optimize** existing ones
● Leveraged **agile methodologies** to deliver projects on **time** and **within budget**
● Proven expertise in **troubleshooting** issues and reduced bugs by 25% with continuous testing, and implementing **performance optimizations**
● Communicating complex **technical concepts** to **non-technical audiences**

Velox Group Software Developer   May 2019 – April 2021
● Developing robust **Java** applications using **Spring Framework**, resulting in enhanced performance and scalability
● Managed and optimized relational databases including **MySQL** and **PostgreSQL**, for efficient data retrieval and storage
● Implemented **CI/CD pipelines** using **Jenkins**, reducing release cycle time by 40%
● **Orchestrated** containerized applications using **Kubernetes**, streamlining deployment and resource management
● Led comprehensive **testing** efforts, including **unit, integration, and end-to-end testing**, resulting in high-quality and reliable software products
● Practiced **Agile methodologies**, participating in daily **stand-ups**, **sprint planning**, and retrospectives to foster collaboration and iterative development
● Built **RESTful** and **SOAP web services** to enable seamless communication between disparate systems, enhancing data exchange and integration

PROJECTS

Video Conferencing System:
● Worked on the **both backend and frontend** to store user's data in the database and functions to **query database** and built a **responsive** web application with node js, **Socket.io** and **WebRTC** and deployed it on **Heroku**
● Validation of interface using JavaScript and jQuery and made it secure from **XSS attacks**
● Implemented routes in the web app's **controller** to **handle user requests and responses**
Hospital Management System:
● Developed a system with **Java**, **JavaScript, Spring Boot, Postgresql, Thymeleaf** and **HTML/CSS** which stored the data of all the entities of hospital system and developed a prototype, tackle and **troubleshoot database errors** and developed worksheets
● Worked with a team to design, create data dictionaries and **data flows** from the collected data of a hospital
Game of 7 - 8 :
● **Implemented** a **dynamic** and interactive two-player card game application using **Python, OOP principles, data structures, and Tkinter for GUI**.
● Designed and developed the game mechanics, player interactions, and GUI components.
● Demonstrated **strong problem-solving abilities** and attention to detail.

CERTIFICATIONS

AWS Cloud Solutions Architect by Amazon Web Services on Coursera   Click Here For The Link