Kavan Patel

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EDUCATION

- **Master of Applied Computer Science** | *Dalhousie University, Halifax, Nova Scotia*   Sept 2021 – Apr 2023
- **Bachelor of Engineering, Information Technology** | *Gujarat Technological University, Ahmedabad, India*   Aug 2015 - July 2019
  CGPA 8.50/10.00

JOB EXPERIENCE

Assistant System Engineer | *Tata Consultancy Services, India*   July 2019 – June 2021
HTML, CSS, Javascript, jQuery, Canvas, Hugo

- Collaborated in the development of COVID-19 Pfizer BioNTech websites using the canvas framework (Pfizer Inc), which was created in PHP, JavaScript, and jQuery.
- Worked with a global team of 30 people to ensure the development and successful deployment of 56 websites in 30 days, resulting in an 80% increase in the company's revenue growth.
- Improved the overall performance of websites by 75% by successfully migrating the framework from Drupal to Hugo. Moreover, have given training to new applicants for building and maintaining ongoing sites.
- Successfully led a team of developers to migrate a 570-page and 610-page website in 25 and 30 days, respectively, achieving company goals and client requests.

Intern Web Developer | *Silverwing Technologies Pvt Ltd, India*   Dec 2018 – May 2019
HTML, CSS, Javascript

- Actively worked in the maintenance, expansion, improvement, and scaling of the websites, minimizing downtime by 15%.
- Following top software development principles, created well-designed websites.

TECHNICAL SKILLS

Programming Languages: Java, Javascript, SQL
Web Technologies: HTML5, CSS3, Bootstrap4, jQuery, ReactJS, NextJS, NodeJS
Database / Cloud: MySQL, Amazon DynamoDB, Google Firestore, Neo4j
Tools: Git, GitLab, Docker, JIRA, MySQL Workbench, VS Code, WinSCP, Postman, Eclipse, Atom, IntelliJ
Software Methodologies: SDLC, SOLID Principles, Agile, System Requirement Specification, Test Driven Development (TDD)
Cloud Technologies: Amazon Web Services (AWS), Google Cloud Platform (GCP)

PROJECTS

Word On Cloud (WOC) | *ReactJS, NodeJS, AWS, Cloud Formation* [git]   May 2022 - Jul 2022

- Created a fun game with an enjoyable user experience that allows players to guess the word in a certain number of trials with color-coded hints. Implemented a custom game mode in which the user can enter a word, create their own game, and share the created custom game link with others. Moreover, created a leaderboard that displays the top 5 people with the highest score for a given day.
- AWS Cognito was used for user authentication. Lambda with inbuilt function URLs for the backend, AWS S3, and DynamoDB for managing the storage, and AWS EventBridge to trigger lambda to fetch a new word at certain intervals. AWS cloud formation and Elastic Beanstalk were used to deploy the application. All services were configured under the same VPC network.

Serverless B&B | *ReactJS, NodeJS, AWS, GCP* [git]   May 2022 - Jul 2022

- Developed multi-cloud hotel management and tour system using serverless architecture. AWS Lex chatbot was integrated with ReactJs to provide details for the room, tour, and food, and can perform room booking, food ordering, and tour booking functionality.
- Cognito and GCP Firestore were used for 3FA user management and authentication, AWS Lambda and GCP cloud function for the backend, AWS DynamoDB and GCP firestore for storage, GCP DataStudio for visualization, GCP BigQuery ML for tour recommendations, and GCP CloudRun to host the application.

Smarticle | *NextJS, Spring Security with JWT, MySQL, Junit* [git]   Jan 2022 - Mar 2022

- The web app will allow registered users to read, post and like all articles, whereas unregistered users can only see articles.
- Users can filter articles by authors, categories, date, or a number of likes. Furthermore, implemented an algorithm to fetch the top 5 tweets for each article using the tags associated with that article. Moreover, users can create their own tags and post their own articles. They can also read their published articles and edit their profile.
- SOLID principles, Agile Sprint, and TDD approach were followed for the project.

Distributed Database Management System | *Java, GCP VM instances* [git]   Jan 2022 - Apr 2022

- From the ground up, created a lightweight DDBMS application in Java for SQL query execution.
- Concurrency control for multi-user environments, SQL dump, ERD generation, log management, analytics report, and others are among the features provided.

ACHIEVEMENTS

- Appreciated by the Project Leader, TCS, for delivering the most complex site. [Link]   Apr 2021
- Best Team Award. [Link]   Dec 2020
- Appreciated by Global Head, TCS, for being an inspiring, dedicated, and hard-working role model. [Link]   Mar 2020
- Appreciated by Team Leader for being an excellent developer and contributor. [Link]   Jan 2020
- Achieved a Runner-Up Position in Digital India Hackathon.   Aug 2018