Bhavesh Bhayal

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PROFILE SUMMARY

Full-stack developer with 2+ years of experience in Node.js, AWS, and Svelte. Expertise in building scalable web applications, integrating APIs, and working with NoSQL (MongoDB, DynamoDB) and SQL databases. Skilled in CI/CD, serverless architectures, and creating dynamic, multi-language systems. Focused on clean code, security, and performance optimization.

TECHNICAL SKILLS

Programming Languages: Typescript, Javascript

Web Technologies and Frameworks: NextJS, Svelte, Node.js, ReactJs, Express.js

Version Control and Cloud Service: Gitlab, Bitbucket, Git, AWS

Databases: MongoDB, DynamoDB , MySQL

AWS Services: AWS Lambda , AWS CDK

EXPERIENCE

Full Stack Developer   Jul 2022 - Present
Nagarro   *Remote*

- **Developed** and **optimized** scalable backend services using **Node.js** and **AWS Lambda**, automating CI/CD pipelines with **AWS CDK** to ensure efficient, high-performance deployments.
- **Designed** and implemented a document management system similar to **Google Drive** for secure, scalable file storage, leveraging **AWS S3** and **encryption** for data protection, along with continuous code quality analysis via **SonarQube**
- Contributed to improving system security by integrating **JWT** authentication, ensuring secure user access and data integrity across platforms.
- **Architected** and optimized data models in **DynamoDB** and **Sequelize (PostgreSQL)**, ensuring fast queries, data consistency, and scalability for high-traffic platforms..
- Built real-time features using **Socket.IO** ,**ReactJs** and **Node.js**, enhancing user experience through live **polling systems**.

Software Engineering Intern   Jan 2022 - March 2022
Mantic labs web solutions   *Remote*

- **Developed** a web scraper using **Python Selenium** to automate data extraction from dynamic websites, significantly reducing manual data collection efforts   .
- **Integrated** the scraped data into **MySQL**, designing efficient data models and queries to ensure fast storage and retrieval of large datasets.   .
- Designed and **implemented** responsive frontend pages using **Tailwind CSS**, **HTML**, and **CSS**, ensuring an intuitive and visually appealing user interface for data visualization.   .

Machine Learning Intern   June 2021 - Jul 2021
Sardar Vallabhbhai National Institute of Technology   *Remote*

- **Collaborated** with **Professor Mehul Patel** to design and implement a **Convolutional Neural Network (CNN)** model for **improving** image resolution, **enhancing image quality** and clarity.   .
- Fine-tuned pretrained models on custom datasets, adapting them for specific image resolution tasks, and achieving notable improvements in output quality.   .

PROJECTS

Translation Management Portal ,

- ***Svelte, NodeJs**, AWS Lambda, Mongodb , Mysql*
- Enabled runtime translation management for 25 languages, supporting dynamic language switching without any system downtime.
- mplemented robust update mechanisms ensuring seamless translation updates and changes without interrupting service availability.

Document Management Portal | *Svelte, Lambda,Dyanmodb,AWS S3*

- Developed a centralized document management system that streamlines document storage, retrieval, and sharing while ensuring secure access.
- Strengthened data security by applying granular access controls and encryption, safeguarding sensitive information while ensuring compliance with privacy regulation.

Polling System | *NodeJs, ReactJs, MongoDb*

- Developed a live polling system where teachers can post questions with set time durations and students can submit their answers in real-time, promoting engagement and participation.
- Implemented Socket.IO for real-time bidirectional communication, ensuring seamless updates to questions, answers, and results as users interact with the system.
- Used Node.js for backend development, Socket.IO for real-time data handling, and React for the frontend to dynamically render polls, responses, and results.

EDUCATION

LD COLLEGE OF ENGINEERING   Ahmedabad, Gujarat
Bachelor of Engineering in Electronics and communication | CGPA: 9.0   *July. 2018 – June 2022*

T and T.V High school   Surat, Gujarat
Higher Secondary School | 80.15%   *June. 2017 – June 2018*

ACHIEVEMENTS AND CERTIFICATIONS

- Appreciation for Document management system (04/2024)
- Cheerboard appreciation 5 times
- Appreciation for translation management tool
- Appreciation for resolving critical security issues
- 100x Dev course