PARTH SOLANKI
Software Engineer

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Passionate Software Engineer dedicated to leaving a lasting impact on the world through innovating and **clean code**. Always committed to tackling real-life problems with creative solutions, strong work ethic and collaborative mindset. Backend Sorcerer with a knack for **Data Structures and Algorithm**, on a quest to conquer the **Full-Stack** realm.

CERTIFICATION

AWS Certified Cloud Practitioner – Credential   **Sep 2022**

IBM Internet of Things – Advance Certificate – Credential   **Jul 2020**

LANGUAGES & TECHNOLOGIES

- **Programming:** C, C++, Java, JavaScript, TypeScript, Python, HTML, CSS
- **Database:** MySQL, NoSQL, PostgreSQL, MongoDB, DynamoDB
- **Framework and Library:** Spring Boot, React, Redux, Node.js
- **Cloud:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure
- **Others:** Serverless, Microservices, TDD, Jenkins, Docker, Git, Jira, Shell, Linux, REST, GraphQL

EMPLOYMENT

Software Intern   **Ecomtent.ai**   **Mar 2024 - Apr 2024**

- Developed and Deployed **5 AWS Lambda Functions** in **JavaScript** to integrate **Shopify Storefront APIs**, handling end-to-end login flow via non-embedded Shopify App ensuring secure authentication and authorization.
- Implemented **webhooks** for Shopify Product Update topics, enhancing real-time synchronization and used **AWS EventBridge** enabling seamless event-driven architecture, reducing manual intervention by **50%**.
- Enforced **rate limit** handling mechanisms to prevent **API throttling**, ensuring consistent performance and reliability under high load, utilizing pagination for efficient data retrieval and consistent API usage **(2 req/sec)**.
- Applied Batch Processing workflows to efficiently handle bulk data operations in **DynamoDB**.
- Received **"Work-Integrated Learner"** badge/certification for this internship via **Riipen's Advance Ontario Program** which is funded by the **Ontario Ministry of Colleges and Universities**.

    Project – Ecomtent

    Ecomtent offers an innovative e-commerce content optimization platform designed to empower business in maximizing their online sales potential by leveraging advanced artificial intelligence and machine learning.

Machine Learning Intern   **Avolta Inc**   **Sep 2023 – Dec 2023**

- Assisted in the development of machine learning algorithms for **anti-car theft system**, under the guidance of senior engineers, by implementing **supervised learning** for anomaly detection and predictive modelling.
- Actively participated in team meetings, code reviews, and knowledge-sharing sessions, learning from experienced engineers and contributing ideas to improve the overall effectiveness of the machine learning solutions.

    Project – Avolta AutoGuard

    Avolta AutoGuard is a state-of-the-art anti-theft system, the smart solution that will safeguard vehicles like never before by using smart immobilization, real-time alerts, multi-layer protection and more, truly utilizing the power of Artificial Intelligence and Machine Learning.

Software Engineer   **Senseforth.ai (Fractal Analytics)**   **Apr 2022 – Mar 2023**

- Contributed to the development of Consultive Sales AI for Digital Storefront which used AWS as Cloud and **Java Spring Boot** as Backend ensuring optimal performance, scalability, and reliability.
- Configured **OAuth** and **JWT** Authentication login APIs for secure user authentication and authorization which helped in safeguarding sensitive customer data.
- Facilitated **role-based** access control and agent logins to ensure secure and controlled access for users, with option for customization based on user's requirements.
- Integrated Facebook's (Meta) **Graph APIs** for onboarding clients (B2B) via social media platforms and providing in-app chat functionality, processing over **10k** messages daily.
- Developed AWS Lambda functions to efficiently handle various critical components of the project and these functions were seamlessly incorporated with **SQS** to facilitate **asynchronous** message handling achieving **98%** uptime in message processing workflow.
- Utilized **API Gateway** for managing **20+ REST APIs**, **10+ Lambda** along with **EC2** and **S3** for specific compute and storage tasks involved within chat functionality. Monitored API performance using **Amazon CloudWatch.**
- Actively contributed to project's integration with platforms such as **Shopify, Big Commerce, Salesforce and ZOHO** to ease up and enhance the integration as well as lead capture process.
- Implemented caching solutions with **Redis** and **Memcached**, resulting in **50%** reduction in data retrieval **latency** and improving overall system responsiveness.
- Optimized Deployment Pipelines using **AWS CodePipline** and **CodeDeploy**, automating **CI/CD** processes and reducing deployment time.

Project – Flyfish

Flyfish is the first-ever Generative AI Sales Platform for Consultive Customer Experience. It enables brands to instantly build AI sales advisors that engage in one-on-one data-driven shopping experience with customers.

Software Intern   **Full Creative**   **Dec 2021 – Jan 2022**

- Leveraged **Java Servlet** as foundational component for an e-learning in-house product ensuring robust performance.
- Added User Authentication and Session Management in Servlets with **AJAX** for async content loading.
- Worked on development and optimizing features such as bulk user invitation, generation of learning reports, provision to share audio, video, and text-based content catering to diverse learning preferences.

Project – AdaptiveU

AdaptiveU is an innovative e-learning platform that simplifies creation and management of online course, fostering a dynamic and accessible learning environment.

EDUCATION

Graduate Certificate – Virtualization and Cloud Computing   **May 2024 – Dec 2024**
Conestoga College   Waterloo, ON, Canada

Graduate Certificate – Software Quality Assurance and Test Engineering   **May 2023 – Dec 2023**
Conestoga College   Waterloo, ON, Canada

Bachelor of Technology – Computer Science and Engineering   **Jun 2018 – May 2021**
Navrachana University   Vadodara, Gujarat, IN