SIDDHARTH TRIVEDI

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SUMMARY

Versatile Software Developer with experience in building scalable web apps, RESTful APIs, and cloud-native solutions using Java, Python, JavaScript, and AWS. Skilled in Django, React, Fast API, and serverless technologies like Lambda and DynamoDB. Strong foundation in developing, automated testing, and performance optimization.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, Node.js, TypeScript   **Databases**: PostgreSQL, MongoDB, DynamoDB

Frameworks & **Tools**: Vue.js, Django, Flask, Fast API, React

Development Practices: RESTful API Development, Agile Methodologies, Unit & API Test, Integration Testing

Cloud & **DevOps**: AWS, Docker, Jenkins,

(**AWS Certified Developer** – **Associate**) – Undergoing

EMPLOYMENT

Fovus Corporation   **(Remote) – Phoenix, USA**   **Jun 2024 – Feb 2025**

Software Development Engineer

- I Developed scalable front-end interfaces using **React** and **TypeScript**, enhancing user experience for HPC workloads.
- Engineered serverless workflows with **AWS Lambda**, **DynamoDB**, and **S3**, optimizing data processing pipelines.
- Contributed to optimizing **parallel computing workflows** by aligning AWS infrastructure with HPC cluster operations, reducing job execution time and compute overhead.
- Optimized compute orchestration by integrating **event-driven workflows** across serverless and EC2-based systems.
- Collaborated closely with cross-functional teams to **design scalable data pipelines**, aligning infrastructure with evolving product and AI workload.

Sarjen Systems Pvt. Ltd.   **Ahmedabad, India**   *Jan 2022 – Dec 2022*

Software Developer

- I Developed and maintained web applications using **Python** and **Django**, supporting internal dashboards and data-driven modules.
- Designed and implemented **RESTful** APIs to enable smooth communication between frontend (**React**) and backend services.
- Wrote and optimized **PostgreSQL** queries for API endpoints, improving data retrieval times and reducing response latency.
- Participated in code reviews, learned **Git**-based workflows, and collaborated with senior developers to follow best practices
- Supported platform debugging and handled small production issues, which helped me understand real-world deployment and issue triaging

PROJECTS

Real-Time Chat Application (React, Vite, Node.js, MongoDB, Web Sockets, Authentication)

- Developed a real-time chat application with **WebSocket**-based messaging for instant communication.
- Implemented a secure authentication system using **JWT** and **bcrypt** for user login and registration.
- Used **MongoDB** for persistent message storage, enabling chat history retrieval.
- Integrated **RPA** bots for automated chat log **analysis** and sentiment detection.
- Automated customer support responses using **UiPath** workflows, reducing response time by 40%

Cloud Automation Utilities (Node.js, AWS Lambda, DynamoDB, EC2)

- Built a lightweight backend tool to simulate automated task processing using **AWS** services
- Deployed utility scripts on AWS **EC2**, designed to trigger Lambda functions for event-based processing.
- Stored and retrieved task metadata using **DynamoDB**, showcasing NoSQL integration with serverless workflows
- Gained hands-on experience with IAM roles, **Lambda** permissions, API triggering, and EC2 configuration.

AI Email Automation Agent using RAG & LLMs (Flowise, Make.com, OpenAI, RAG, Google APIs)

- Built an AI email agent using **RAG architecture** for personalized, context-aware automation.
- Used **embedding models + Pinecone** for vector-based retrieval of user intents and history.
- Integrated **OpenAI LLMs via Lang Chain** to generate dynamic responses and trigger workflows.
- Designed **custom automation scripts** to integrate with **web-based banking applications**.
- Automated email tasks with **Flowise + Make.com**, connected to Gmail, Calendar, and Sheets APIs.

EDUCATION

Georgian College – Barrie, ON   Jan 2023 – Apr 2024
Post Graduate Diploma in Artificial Intelligence & Big Data Analytics

LDRP Institute of Technology and Research – Gandhinagar, India   Jun 2018 – May 2022
Bachelor of Engineering | Computer Engineering