

# SIVAKUMAR MANOHARAN

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## PROFESSIONAL SUMMARY

Fast-paced Agile backend Software Developer with a passion for innovation and continuous learning. Possessing an experience of 2+ years in developing a human resource automation tool used by over 6,000 employees and working in a start-up to develop an agentic AI product with a solid understanding of software development best practices and design patterns. Having a strong command in building scalable products and the required technical foundation supported by a Master's degree in Applied Computing from the University of Windsor. Committed to be engaged in developing microservices for seamless integration of AI-driven features across front-end and back-end systems. Thriving to Provide technical support for integrated systems, troubleshooting issues and ensuring the code quality with eagerness in contributing to the organization that fosters my development in terms of career and life.

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## PROFESSIONAL EXPERIENCE

### Senior Software Engineer Intern

Aug 2024 - Present

Consuy Inc, Calgary, Alberta, Canada (Remote)

- Created more than **20+ REST APIs** using FastAPI for crucial operations such as fetch, update and delete.
- Enabled the **agentic AI service** to derive the data automatically during the application start-up.
- Stored the discussion data using **PostgreSQL** for deriving insights in future applications.
- Created a functionality to thwart **10+** types of attacks by implementing **OAuth 2.0**.
- Scaled the application by reducing the response time of REST APIs from **1600 ms to 32 ms** using **Redis Caching**.
- Improved the backend infrastructure that reduced the response time by **5 seconds** using modularity principles.
- Documented the APIs created using **Swagger UI** for the understanding of stakeholders.
- Integrated OpenAI's API to provide the summary based on the problem statement with **80% accuracy**.

### Software Developer

Jun 2021 - Jun 2023

Brillio Technologies, Bangalore, Karnataka, India (Remote)

- Integrated **third party APIs** seamlessly that provided more than **40+ data items** for better insights.
  - Worked as a core contributor in IS initiative projects that involved creating **30+ APIs** in the backend.
  - Ensured to maintain the integrity of the information stored by following data governance policies.
  - Provided technical support in integrating systems by attending **60+** support calls.
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## TECHNICAL SKILLS

- **Programming Languages** : Python, Javascript
  - **Back-end Frameworks** : FastAPI, Flask, Node.js
  - **Front-end Frameworks** : React.js, Next.js
  - **Business Processing tools** : JIRA, Confluence, Salesforce
  - **Cloud Technologies** : AWS, MS Azure
  - **Data Analysis** : SQL, Oracle, MariaDB, MySQL, Hadoop, PySpark
  - **Miscellaneous skills** : Windows, Linux, Git, GitHub, Swagger, REST APIs, Axios
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## EDUCATION

### Master of Applied Computing

Sep 2023 - Present

University of Windsor, Windsor, ON

### Bachelor of Engineering - Computer Science and Engineering

Aug 2017 - Jun 2021

Anna University, Chennai, India