Senior Full Stack Software Engineer

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Portfolio

- [LinkedIn](#)
- [GitHub](#)

Skills

- **Programming Languages**: JavaScript, TypeScript, PHP, Python, C#
- **Frameworks/Libraries**: React,React Native,Expo, Vue.js, Svelte, Next.js, Gatsby, Nest.js, Redux, Express.js, Serverless, Koa.js, .NET Core
- **Databases**: MySQL, PostgreSQL, MongoDB, DynamoDB, CosmosDB, vectorDB
- **Cloud/DevOps**: AWS, Azure, Docker, Terraform, Lambda, CloudFormation
- **Others**: Redis, Elasticsearch, Algolia, Websocket, RabbitMQ, GraphQL, Jest, Git, CI/CD
- **Experiences:** REST API, Micro-services, TDD, Linux, Nginx, Performance Optimization,System Design
- **AI Experiences:** Multimodal Chatting (**RAG**) System, Product **Recommendation** System, **Knowledge-based** Chatting System, Experience working with **OpenAI**, **LLaMA**, **Gemeni**, Object Detection using Yolo model, and many other models.

Experiences

Field Nation (#1 labour marketplace in the US and Canada**) — Senior Software Engineer** April 2025 - PRESENT

- Contributed Field Nation Core PHP framework
- Maintaining code related to existing bug.
- Improved Mobile UI design using React Native.
- Developing and managing the backend application using the Nest.js framework.

Invicta Solution BD Team(Client: Upsy Shopping Helper(YC startup)**, Finland) — Senior Full Stack Developer** AUG 2022 - March 2025

- Served as a Team Lead for a few features.
- Built a chatting system leveraging advanced RAG techniques based on diverse information sources using Python,FastAPI,LLama 3 70B model and OpenAI models.
- Improved the product recommendation system using the Llama 3 70B model using nodejs,Llama model,AWS,Lambda.
- Developed an A/B testing tool to evaluate the impact of our system in improving e-commerce sales.
- Developed an RAG (Retrieval-Augmented Generation) system to enhance product recommendations and predict future purchase probabilities using Python,HuggingFace,VectorDatabase.
- Develop and maintain Back-end API service on top of the AWS serverless architecture(**lambda**) using the serverless framework and Node.js engine capable of handling unlimited traffic.
- Improved sales by 10% by changing widget design.
- Reduced file size of a widget from 7kb to 5kb using Sveltejs for fast loading.
- Develop and maintain our product handler service capable of fetching 500k products daily from feeds like MyCashFlow platform, Woocommerce, Shopify, Google Shopping Feed and Megento etc
- Developed Terraform code to automate AWS infrastructure provisioning, including subdomain creation, HTTPS certificate management, EC2 instance deployment, and DynamoDB table setup, enhancing deployment efficiency and consistency.
- Implemented a daily job to collect data from multiple S3 buckets, analyze the data using AWS Athena, and query the most viewed FAQ questions, sorting them accordingly.

Spring Rain Private Ltd, Bangladesh — Full Stack Developer MAR 2022 - JUL 2022

- Worked on a complex domain-driven microservice that searches and matches desired colleges for students from a database of 20+ colleges. Our technology stack included Node.js for the backend runtime and Gatsby.js for the frontend.
- Collected & processed 1000+ leads per day using 45 active micro-services built using node.js
- Implemented location and image based e-commerce system capable of handling 1000 categories and 100k catalogs. Stack we used **MERN**.
- Built a system to reduce hiring time by a factor of 10 by automated parsing and monitoring of

resume. Stack we used **MERN**

Fusionread, Canada — Software Engineer JAN 2020 - FEB 2022

- I led my team of four members for around two years (Frontend+Backend+UI).
- Designed a reading platform where users can read, write and search from millions of articles. We used Next.js for the Frontend Application and Python for Backend.
- Developed a scraper that can collect data from 40+ reading and news portals daily in the background using multiple tools like Puppeteer, Redis Bull Queue, Mongodb, and Puppeteer Stealth etc. Stack we used **MERN**.
- Adopted socket.io and improved real-time job processing to monitor (Failed and Success ratio) . Stack we used **MERN**

DactarSheba, Bangladesh — Junior Software Engineer JAN 2019 - DEC 2019

- Integrated audio and video calling able to handle 20 calls concurrently. Stack we used (**MERN**).
- Enhanced real-time communication of parallel connections using socket.io. Stack we used(**MERN**).
- Added a payment gateway(SSL commerce) for processing unlimited daily transactions

Education

Bachelor of Science, Computer Science & Engineering

Institution: University of Information Technology & Sciences

Plugin Development Experiences

Shopify: [Saap Subscription](#)

Wordpress: [Upsy for WooCommerce](#)