

SAYANTA NEOGI

Full Stack Developer | AI Engineer | DevOps Engineer

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SUMMARY

Experienced Full Stack Developer and AI Engineer with 4+ years of expertise in building scalable web applications, implementing AI-powered solutions, and establishing DevOps practices. Proficient in modern frameworks including React, Laravel, Django, Flask, and AI technologies such as LangChain, Hugging Face, and RAG architectures. Skilled in containerization with Docker, CI/CD pipelines, and cloud deployments across Azure, AWS, and GCP.

EDUCATION

Master of Science in Computer Science 2019 – 2021
Ramakrishna Mission Residential College, University of Calcutta

Bachelor of Science in Computer Science 2015 – 2019
Kanchrapara College, University of Kalyani

TECHNICAL SKILLS

Programming Languages: C/C++, C#, .NET, Q#, Python, Java, JSP, TypeScript, PHP, Rust, Prolog, SQL, PL/SQL, NoSQL

AI/ML : TensorFlow, LangChain, Hugging Face, Rapids, PySpark, Google ADK, Microsoft Foundry, Amazon Bedrock

AI Engineering: Agent Development, RAG Development, Prompt Engineering, LLM Integration, Vector Databases

DevOps & CI/CD: GitHub Actions, GitLab CI/CD, Docker, Kubernetes, Aspire

Cloud Platforms: Azure, AWS, GCP, IBM Cloud

Frontend Technologies: React, jQuery, Vite, HTML, CSS, JavaScript

Backend Frameworks: Laravel, ASP.NET, Flask, Django

Databases: Oracle, MySQL, PostgreSQL, MongoDB, Microsoft SQL Server

API Technologies: GraphQL, REST, RESTful APIs

Quantum Computing: Qiskit, Cirq, TensorFlow Quantum, Microsoft Quantum Development Kit

Parallel Computing: OpenMP, CUDA, DPC++

Mobile Development: React Native, .NET MAUI, Kotlin

PROFESSIONAL EXPERIENCE

Software Engineer (full stack + AI & DevOps) 2026 – Present
Web Mind Ltd

- Developed enterprise-grade Laravel, React, and Python applications.
- Designed and deployed RAG pipelines using Amazon Bedrock, pgvector, and LangChain.
- Built AI agents and document intelligence workflows for PDF, image, and knowledge-base processing.
- Optimized PostgreSQL and vector database performance for AI search workloads.
- Designed scalable cloud architectures across AWS, Azure, and GCP.
- Integrated LLMs through Amazon Bedrock with strong data confidentiality controls.

Full Stack Web Developer, AI & DevOps Engineer 2021 – 2026
UKtekIndia

- Developed and maintained full-stack web applications using Laravel, Flask, and Django frameworks
- Built dynamic, reactive user interfaces using React and integrated GraphQL APIs for efficient data fetching
- Implemented AI-powered features using LangChain for advanced language model integrations and conversational AI
- Developed intelligent agent systems and RAG (Retrieval-Augmented Generation) architectures for enhanced search and knowledge retrieval capabilities
- Integrated Hugging Face models for NLP tasks and machine learning workflows
- Utilized Google ADK and Microsoft Foundry for AI/ML model development and deployment
- Established and maintained CI/CD pipelines using GitHub Actions and GitLab CI/CD for automated testing and deployment
- Containerized applications using Docker and orchestrated deployments with Kubernetes for scalable infrastructure
- Implemented Vite as frontend build tool for optimized development workflows and faster build times

- Designed and integrated MySQL and PostgreSQL databases with RESTful and GraphQL services
Deployed applications on Azure, AWS, and GCP cloud platforms.

Software & Computing Working Group

2021 – 2022

BNL + Jefferson Lab | ATHENA | CaloGAN

- Worked on calorimeter simulation using Generative Adversarial Networks (GANs) for particle physics research
- Collaborated with international research teams on Software & Computing Working Group initiatives
Supervised by Dmitry Romanov (Jefferson Lab)

Research Developer

2020 – 2021

BNL + Jefferson Lab | Electron-Ion Collider

- Utilized escalate framework and Geant4 for particle physics simulations and detector design
- Developed high-performance simulation solutions using C++ and Python
- Supervised by Dmitry Romanov (Jefferson Lab)

LIVE PROJECTS

11plusguru.com – Educational platform for 11+ exam preparation

therapyworld.org – Therapy and mental health services platform