

# BALAJI M

Master of Computer Applications

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 Github —  Linkedin

## Objective

A highly motivated and detail-oriented Full Stack Developer/AI Engineer with 2 years of experience, recently completed training in AWS DevOps with hands-on experience in implementing and managing cloud infrastructure. Looking for an opportunity to leverage my skills and knowledge in a challenging environment to contribute to the success of an organization.

## Education

- **Master of Computer Applications**, DG Vaishnav College, Chennai — CGPA: 8.1
- **Bachelor of Commerce (Computer Applications)**, RamaKrishna Mission Vivekananda College — CGPA: 6.4
- **Higher Secondary School**, St. Thomas Matriculation Higher Secondary School — CGPA: 8.1
- **Secondary School**, St. Thomas Matriculation Higher Secondary School — CGPA: 8.9

## Skills

- **Programming Languages:** Python, JavaScript
- **Frameworks:** Django Restframework, React.js, Next.js, Node.js, Express.js, Langchain, LangGraph
- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, ECS, VPC, Route 53, Code Deploy and Code Pipeline, SNS)
- **Configuration Management:** Ansible
- **Containerization:** Docker, Kubernetes
- **CI/CD Tools:** Jenkins, GitHub Actions, CodePipeline, CodeDeploy
- **Version Control:** Git, GitHub

- **Infrastructure as Code:** Terraform
- **Scripting Languages:** Bash, Python
- **Web Technologies:** HTML, CSS, JavaScript, REST APIs
- **Database Management:** PostgreSQL, MySQL, MongoDB
- **Testing Tools:** Python Selenium

## Projects

### AWS Project

- Deployed code and hosted dynamic websites using AWS services (EC2, S3, CodeDeploy, CodePipeline, IAM, SNS) to manage and scale a web application.
- Configured Auto Scaling and Load Balancers for high availability.

### DevOps Project

- Automated infrastructure provisioning using Terraform and AWS Lambda.
- Implemented CI/CD pipelines using Jenkins.

### Mini Project

- Implemented containerization using Docker and Kubernetes to streamline application deployment and management.

## Work Experience

### Optisol Business Solutions — Full Stack Developer — 07/22 - 03/23

#### Odoo v12 (Python and React Developer)

- Developed RESTful APIs for communication between the React front-end and the Python back-end.
- Stored and retrieved data from PostgreSQL databases.
- Created UI and responsive webpages using React and Bootstrap.
- **Technologies Used:** React Native, React, Python, Odoo framework, PostgreSQL

## Inoesis Technologies — Full Stack Developer — 05/23 - 11/24

### JFC (Django Team Support)

- Stored and retrieved data from PostgreSQL databases.
- Developed UI and responsive webpages using Django and SCSS.
- **Technologies Used:** Django, PostgreSQL

### Email Compliance Checker (Python LangChain LLM )

- Used LangChain OpenAI LLM to check whether the email body has any content that is against the uploaded document policy.
- **Technologies Used:** Python, LangChain

### QuickAns (Python LangChain LLM and Django RestFramework)

- Created RESTful APIs for communication between the React front-end and the Django REST Framework back-end.
- Used Scrapy for scraping the website.
- Developed UI and responsive webpages using Nextjs and Tailwindcss.
- Used LangChain Olamma LLM for chatbot to read from directory (pdf,jpg,docx,csv) and response to the user for their question based on loaded files.
- **Technologies Used:** Python, LangChain,Django RestFramework,Nextjs

### Orkfarm E-commerce (FullStack Developer)

- Data stored and retrieved from PostgreSQL databases.
- Developed UI and responsive webpages using Nextjs and Tailwindcss.
- Used Redux toolkit for state management and fetching APIs.
- **Technologies Used:** Nextjs, nodejs, postgres

### NightLife Media (Full Stack Developer)

- Created RESTful APIs for communication between the React front-end and the Django REST Framework back-end.
- Performed web scraping using Selenium and BeautifulSoup.
- Stored and retrieved data from PostgreSQL databases.
- Developed UI and responsive webpages using React and Bootstrap.

- Used Redux toolkit for state management and RTK query for fetching APIs.
- Integrated Facebook Ads Manager to create and manage ads.
- **Technologies Used:** React, Nodejs, PostgreSQL

## Contus Tech — AI Engineer — 11/24 - 2/25

### BKBot.ai (FullStack developer with Langchain and Langgraph)

- Created RESTful APIs for communication between the React front-end and the FastApi back-end.
- Developed UI and responsive webpages using Nextjs and Tailwindcss.
- Used Pinecone VectorDB for RAG.
- Used LangChain and Langgraph Library for chatbot with AI Agent and response to the user for their question based on uploaded files and SQL Database.
- **Technologies Used:** Python, LangChain, Langgraph, FastAPI, Nextjs

## Training

- Completed AWS with DevOps Training in BTREE SYSTEMS Chennai.
- Completed Next.js, React.js, and Node.js course on Udemy.
- Completed Tensorflow, Langchain and Langgraph course on Udemy.