

Achal Vijayvargiya

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AI Agent & LLM Developer | 10+ Yrs in Java Systems | Expert in LangChain, RAG, FastAPI, OCR, Redis, Docker, postgres

PROFILE SUMMARY

AI Agent & Generative AI Developer with 10+ years of experience in enterprise Java systems and recent specialization in building intelligent, autonomous applications using LLMs. Proven track record of developing end-to-end AI agent workflows with LangChain, FastAPI, Redis, Streamlit, and Docker. Hands-on in OCR, PDF/Excel parsing, RAG pipelines, and multimodal AI interfaces. Combines deep system architecture knowledge with modern AI tools to deliver production-grade solutions.

CORE SKILLS

Languages: Python, Java, JavaScript, Shell Scripting
LLM/AI Stack: LangChain, LangGraph,ADK, RAG, GraphRAG, Prompt Engineering, OpenAI, Gemini, OCR (Vision Api), n8n.
APIs & Frameworks: FastAPI, Streamlit, Jenkins, Docker, Cursor, Eclipse
Databases: Redis, SQLite, MongoDB, Oracle,Postgres
DevOps & Tools: Docker, Git, Linux, Maven, JIRA, Agile, Selenium, Playwright
Cloud & Infra : VMWare, Shell Scripting, Deployment Automation

WORK EXPERIENCE

AI Freelancer 2025may-now

Vidhan Bhavan Marathi Text Extraction (OCR, LLM, FastAPI, React, Docker,Redis, Postgres)

- Led a document digitization project for **Maharashtra Vidhan Bhavan** using OCR and LLMs..
- Extracted structured data (members, debates, bills, etc.) from Marathi scanned images using Google Vision OCR and chunked LLM prompts
- Designed FastAPI backend and React frontend with searchable, filterable modules for debates, bills, acts, and more.
- Enabled linking across modules (e.g., debates ↔ bills ↔ acts) and deployed as Dockerized microservices.

LiveDataExtraction (LangChain,OCR, Playwright)

- Created an end to end solution for a client to extract live data from a webpage using Playwright and image ocr.
- Collecting data from 3 user account combining and sending across client websocket end points.
- Deployment and maintenance support.

Technology architect - BroadRidge (Client: BlackRock) - Mumbai, India 2024- 2024

- Designed and developed a Java Swings-based configuration management app.
- Delivered backend services for critical financial tools.

Entrepreneurial experience - HOUSE OF PRODUCTS - Mumbai, India 2022- 2024

- Bootstrapped and scaled a home-cleaning FMCG brand with 7+ products.
- Managed legal, packaging, marketing, and inventory systems independently.

Sr.Software Engineer - Idea India - Bill Desk - Mumbai, India 2019- 2022

- Integrated NPCI BBPS APIs for onboarding billers and scaling to 800+ API requests per minute.
- Developed UPI Microservices for bill automation and reconciliation workflows.

Associate Engineer - JP Morgan chase - Mumbai, India 2018- 2019

- Built microservices and web tools for issue tracking in AWM operations.
- Ticket submission to streamline AWM operations.
- DevOps operations via jenkins pipeline and maven build.

Software Engineer - Transerv Pvt Ltd - Mumbai, India 2016- 2018

- Built merchant onboarding APIs, automated refund workflows, and reconciliation tools.
- Integrated digital wallets and corporate payout systems.

Software Engineer - Smartstream Tech - Mumbai, India 2015- 2016

- Developed TIFM modules for trading fee calculation and optimized RDA Swing UI client.

Software Engineer - Zycus InfoTech - Mumbai, India 2013- 2015

- Handled deployment automation, incident support, and maintenance across enterprise tools.
- Managed VMWare-based deployments using Java JSF, Python, and shell scripts.

Education

MCA (Masters in Computer Applications) – Pune University (2009 – 2012)

B.Sc. IT (Bachelor of Science in Information Technology) – Mumbai University (2006 – 2009)