Aruldass Arulanandu

Berlin, Germany • (+49) 15212027492 • aruldass.as@gmail.com • linkedin.com/in/aruldass-a-874093a1 • https://github.com/Aruldass-as • http://codecraft.life/

Full-Stack Developer & AI Integration Engineer with 9+ years of experience building scalable, AI-driven applications. Skilled in developing individual projects for startups and delivering large-scale applications for global enterprises.

WORK EXPERIENCE

Consultant

Capgemini Technology Services India Ltd   **Bengaluru, India • 11/2021 - 05/2025**

https://www.capgemini.com/in-en/

- Built an Admin Trading Application featuring comprehensive user management, role-based access control, and detailed log management with advanced filtering and export capabilities.
- Developed and implemented a Trading application in the banking domain for accessing market data, monitoring prices, place buy/sell stocks and managing orders.
- Designed and implemented an Issue Allegation Management system in the banking sector, enabling efficient internal reporting workflows.
- Handled applications testing, TeamCity CI/CD builds, and artifact versioning to ensure smooth integration and parallel development across multiple teams.
- Tech Stack: Angular, ReactJS, ExpressJS, TypeScript, NodeJS, MongoDB, NgRx, Redux, REST APIs, HTML5, SCSS, Jest, Storybook, Vitest, TeamCity, Bitbucket, GitHub, Jira, Agile, GitHub Copilot

Software Development Lead

All Direction Source Technologies Pvt Ltd   **Chennai, India • 04/2016 - 11/2021**

https://alldirectionsource.com/

- Developed and maintained a dynamic, web-based Property Management application enabling users to create custom forms, manage and track tenant details, handle lease management, accounting, and reporting processes.
- Built an comprehensive project management web application supporting employee issue tracking, requirements management, test case management, and agile workflows.
- Implemented a podcast and audiobook streaming platform enabling creators to publish episodes and manage content efficiently through a streamlined admin interface.
- Created a web-based platform connecting users with reliable service providers for household and office needs, including repairs, cleaning, laundry, and beauty services.
- Developed a web-based healthcare platform enabling patients to book doctor appointments, order medicines, schedule lab tests, and chat with doctors online.
- Designed and Developed a social media platform where users can create profiles, connect with friends and family, and share articles, thoughts, and opinions in real time.
- Converted a web application into a cross-platform desktop application using the Electron framework, Created EXE/setup files for software distribution to third-party vendors.
- Lead Developer for Property Management and Project Management Tools; Individual Contributor for Podcast and Online Service Provider Applications.
- Tech Stack: Angular, TypeScript, JavaScript, Python, PHP, NodeJS, ElectronJS, MySQL, REST APIs, HTML5, SCSS, Bitbucket, Jira, Agile

- **Frontend & Backend Frameworks:** Angular, ReactJS, VueJS, ExpressJS, NextJS, NodeJS, ElectronJS, Jest, Vitest
- **Languages & Databases:** Javascript (ES6+), Python, TypeScript, PHP, MySQL, MongoDB, postgresql
- **AI Tools & Library & Technique & Framework:** FastAPI, MCP, LLM, LangChain, AutoGen, RAG, LangGraph, LangFuse, LangSmith, Prompt Engineering, ChromaDB, OpenAI API, Claude, Google gemini, Perplexity, Semantic search, CrewAI, Pinecone, FAISS
- **State Management & Build Tools:** NgRx, Redux, Npm, Yarn
- **UI/UX:** HTML, CSS, SCSS, Tailwind, Responsive Design, Bootstrap, Material UI, ChartJS
- **Version Control & CI/CD & Cloud:** Bitbucket, GitHub, Git, TeamCity, Webpack, Docker, Gitlab, Kubernete, AWS
- **Project Management & Methodologies:** Jira, Agile, Scrum
- **API Integration & Testing Tool:** REST APIs, JSON, Swagger, Postman, GitHub Copilot
- **Language:** English - C1, German - A2 (Ongoing Studies)

Bachelor's degree in Information Technology

Anna University (Pavendar Bharathidasan College Of Engineering and Technology)   Trichirapalli, India • 06/2008 - 04/2012

Received "Exceptional" rating at Capgemini for FY 2024–25.

Advanced Javascript, Angular Advanced Master Class, React 18, Typescript Professional   06/2024 - Present
Udemy

AI Integration App: 06/2024 - 04/2025

- Implemented OpenAI GPT, Anthropic Claude, and Google Gemini APIs to create a conversational chatbot.
- Developed image and voice recognition features using OpenAI APIs.
- Built a domain-specific document assistant using LangChain, ChromaDB, and OpenAI APIs for context-based Q&A.
- Developed an autonomous research and summarization system using LangGraph, Whisper, and TTS for voice-based interaction.
- Created an enterprise knowledge retrieval platform using Agno, LangChain, and AWS for scalable cloud deployment.
- Tech stack: Python, FastAPI, Express.js, Angular, Node.js, LangChain, LangGraph, LangFuse, AutoGen, RAG, Prompt Engineering, ChromaDB, OpenAI API, Claude, Google gemini, perplexity, GitHub
- Website: https://codecraft.life/ , URL: https://github.com/Aruldass-as/fastapi_app , https://github.com/Aruldass-as/code_craft_ui , https://github.com/Aruldass-as/code_craft_backend

E-Commerce App – Natural Language Product Search

- Integrated OpenAI API into an e-commerce platform to enable natural language product search.
- Tech stack: Angular, ExpressJS, OpenAI API, URL: https://github.com/Aruldass-as/ecommerce

PersonalVault App

- Built a personal data management app enabling users to safely store and manage confidential information and documents.
- Tech stack: ReactJS, ExpressJS, MongoDB, URL: https://github.com/Aruldass-as/personal-vault