# Karthikeyan R V | Software Engineer Level 2 (SDE II)

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## SKILLS

- **Languages** - Typescript (10), JavaScript (10), JAVA (10), Python (10), SQL(10), HTML (10), CSS (10), SCSS (10), C++ (7), C (7), Solidity (7).
- **Technical skills** - ReactJS & PreactJS (10), React Native (8), Oracle ADF (10), OracleJet (10), NodeJS (10), Firebase (10), PostgreSQL (10), Cypress Automation (10), Selenium Java Automation (10), Git (10), JIRA (10), Adobe XD (10), Figma (10), MongoDB (8), Flask (8), CI/CD pipeline automation & development (8), Jekyll (8), Adobe Illustrator (9), Jenkins (8), Blender (7).
- **AI/ML Skills & Data Science Skills** - LangChain (5), GPT-4 (5), OpenAI API (5), Semantic Search (5), Retrieval-Augmented Generation (5), Vector Databases (FAISS) (5), Chatbot Development (5), Prompt Engineering (5), Embedding Models (5), Numpy (5), Document Parsing (5), PDF Text Extraction (5), Data Preprocessing (5), Asynchronous Data Pipelines (5), Text Processing (5).
- **Certifications -** Oracle Cloud Infrastructure 2025 AI Foundations Associate.

*\*(n) indicates skill level on a scale from 1 (lowest) to 10 (highest).*

## PROFESSIONAL EXPERIENCE

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| **ORACLE** | **Hyderabad, India** |
| **Software Engineer II (IC2)** | **09/2024 - Present** |
| **Software Engineer I (IC1)** | **09/2022 - 08/2024** |

*Contributed Projects*:

**1.** Cloud PMS - OPERA Cloud as framework developer - Hospitality Global Business Unit

**2.** Hotels Channel Management Software - Hospitality Global Business Unit

*Responsibilities*:

- Delivered 5+ core functionalities with top-tier code quality, ensuring 100% UI design accuracy.
- Collaborated with PO and designers, scheduling demos to ensure requirements alignment and on-time delivery.
- Leading a team of 2 interns, guiding them through onboarding and project workflows.
- As a framework and full-stack developer, developed and implemented language translations functionality across 8 project modules, impacting over 2000 files of code. Conducted extensive cross-browser testing, completing the functionality in 1 month with high efficiency.
- Utilized Oracle ADF, Oracle Jet, PreactJS, CI/CD pipeline, TypeScript, JavaScript, Java, Postman, Cypress, HTML, CSS, SCSS, Figma, and JIRA to performance by 50%, ensuring high-quality, responsive user interfaces.

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| **ORACLE** | **Hyderabad, India** |
| **Project Intern** | **02/2022 - 08/2022** |

*Responsibilities*:

- Contributed to Oracle's Opera Cloud Property Management application in Hospitality Global Business Unit by getting to know 8 project modules and building micro functionalities.

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| **APPSCMS TECHNOLOGIES** | **India** |
| **Web Developer Intern** | **02/2021 - 07/2021** |

*Responsibilities*:

- Produced complex Video, Audio and PDF editing applications without involving the backend.

## EDUCATION

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| **AMRITA VISHWA VIDYAPEETHAM** | **Coimbatore, Tamil Nadu, India** |
| *B-tech Engineering in Computer Science*; CGPA: 8.43/10.00 | **04/2018 - 06/2022** |

Completed comprehensive coursework in Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks, Object-Oriented Programming, and other core CS subjects.

**1.** Finalist, Atlassian App Dev Hackathon **(Top 10 of 2000+ teams)**.

**2. AIR 819** in AEEE, earned **90% scholarship**, GPA > 8 in all semesters.

## PROJECTS

- **Cloud PMS - OPERA Cloud -** Contributed to the world's #1 hotel management system used by ~40K properties, focusing on frontend framework modules. Click here for software information.
- **Policy Compliance System -** Developed a SOC 2-compliant app for managing employee policy acknowledgments with roles, versioning, and automated escalations. Click here for project document.
- **Aether -** Aether is a mindful visual productivity tool that helps you map your life, dream boldly, and flow with purpose. Click here for project document.
- **Vortex AI -** A document-based chatbot app where admins upload PDFs to train the model, and users can interact with an AI via a smart, searchable chat interface. Click here for project repository. (In progress)
- **Order Management System -** Built a full-stack PERN web app with 4 user roles for a construction company to manage orders and inventory.Find more about the project here.
- **Online Video, Audio & PDF Editor -** Developed secure, client-side web tools to edit media files with 20+ core features, ensuring data never leaves the browser. Video Editor Link, PDF Editor Link.