

Zeeshan Ahmad

Principal Member of Technical Staff

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📄 Summary

A Principal Member of Technical Staff with over 10 years of experience, specializing in full-stack development and AI-driven solutions. Consistently recognized as a top performer with a 5/5 star rating for sustained excellence at Oracle. I architect and lead the development of intelligent software systems that solve complex business problems, from building an AI-powered dataflow assistant to engineering impactful personal products. My expertise is rooted in building scalable, cloud-based solutions and leveraging advanced technologies like prompt engineering and LLMs to drive innovation. My work has been recognized with a VP Award from SAP and my personal projects, including a native macOS utility, have garnered over 100 downloads. I am a co-author of a book on big data analytics and am currently deepening my expertise in AI and NLP through a Master's degree at the Georgia Institute of Technology.

🏢 Experience

Oracle India | Bangalore, India

January 2021 – Present

Principal Member of Technical Staff (Sept 2023 – Present)

➤ Product: Oracle Analytics Cloud - Dataflows

- Led the core team in developing an AI-powered dataflow assistant from scratch to provide AI assistance to data flow authors using natural language prompts.
- Engineered a novel approach that uses Python as a language to communicate with LLMs, ensuring a compact and intuitive representation of complex dataflows with branching and joins.
- Applied advanced techniques including prompt engineering, chain-of-thought reasoning, and embeddings to optimize model output and reduce token size.
- Developed a sophisticated test framework to handle the random nature of AI responses and perform benchmarking of different LLMs with paraphrased utterances.
- Created AI agents to automatically find subtle bugs in prompts and streamline the creation of Jira tickets.

Senior Member of Technical Staff (Jan 2021 - Aug 2023)

➤ Product: Oracle Analytics Cloud - Semantic Model

- Created a Lucent-based search functionality for semantic model objects, improving discovery and usability.
- Redesigned and implemented the Joins architecture within a Semantic Model workspace to overcome rendering limitations and ensure the scalability of joins.
- Programmed the dynamic fetch of child nodes, which reduced the time to perform a Global Search by 80
- Prepared a JUnit API test framework that helped a team of 15 developers to proactively eliminate regressions.

SAP Labs India | Bangalore, India

Aug 2015 – January 2021

Developer (March 2019 - January 2021)

➤ Product: SAP Analytics Cloud

- Led a team of 2 developers to build the end-to-end User Interface for Translation Service using Node.js and SAP UI5.
- Contributed to the development of the Cloud Native Spring Boot Translation Microservice, hosted on SAP Cloud Foundry.
- Developed a robust Unit test framework using Karma and Jasmine, which ensured code coverage of over 85
- Presented on the Translation component at industry conferences like SAP TechEd and SAP dKom.
- Won VP Award for my contribution to the feature.

Associate Developer (Aug 2015 - Feb 2019)

➤ Product: SAP Lumira Discovery

- Involved in requirement analysis, development, code review, and testing for over 5 components.
- Point of contact for P1-High Priority customer tickets, found their root causes and resolved them holistically as a key member of the Customer Focus Team.

Education

Georgia Institute of Technology | Atlanta, GA

2023 – 2025

Master of Science - MS, Computer Science

GPA: 4.0/4.0 Specialization in Artificial Intelligence

- > Relevant Coursework: Artificial Intelligence, Natural Language Processing, Knowledge-Based AI, Robotics: AI Techniques, Game AI, AI Ethics & Society, Software Dev Process, Data Analytics & Security, Intro to Cognitive Science, Global Entrepreneurship.

Ramaiah Institute of Technology | Bangalore, India

2011 – 2015

Bachelor of Engineering, Computer Science

Technical Skills

- > **AI & Machine Learning:** Prompt Engineering, LLMs, NLP, AI Agents, AI Ethics, Data Analytics, Generative AI
- > **Languages:** Python, JavaScript, TypeScript, T-SQL, Node.js
- > **Frameworks & Libraries:** React, Tailwind CSS, SAP UI5, Spring Boot, Clerk (Auth)
- > **Cloud & DevOps:** SAP Cloud Foundry, Netlify, MongoDB Atlas, CI/CD
- > **Tools:** IntelliJ, Eclipse, VSCode, Postman, Docker, Gradle, Maven
- > **Testing:** JUnit, Karma, Jasmine
- > **Other:** Full-stack Development, Data Modeling, JSONPath, Lucene, Git, GitHub

Certifications & Awards

- > Consistently awarded 5/5 star performance rating for sustained excellence at Oracle (2023, 2024, 2025).
- > Received the VP Award for significant contributions to the Translation feature at SAP.
- > Introduction to Prompt Engineering for Generative AI.





Publications

Co-Author, "Big Data Analytics - Tools and Technology for Effective Planning"

Publisher: CRC Press - Taylor & Francis Group Publication Date: October 30, 2017

- > The book explores various aspects of big data analytics, including tools, technology, applications, use cases, and research directions. It features contributions from researchers, scientists, and practitioners from renowned universities and organizations.

Personal Projects & Ventures

- > **KeepMacAwake** |  **GitHub** Engineered and launched a native macOS application that prevents a Mac from going to sleep. Built with Python and packaged as a downloadable .dmg file.
- > **drfaiyazahmad.com** |  **GitHub** Architected and developed a full-stack, responsive web presence for a neurology clinic using React, TypeScript, and Tailwind CSS. The site features online appointment booking and professional email integration with Zoho Mail.
- > **docscale.in** |  **GitHub** Developed a front-end business platform for the digital growth of doctors. This service showcases expertise in building powerful online platforms for the healthcare industry.
- > **dineview.in** (in development) |  **GitHub** (Private) Currently building a modern, multi-tenant SaaS platform for the restaurant industry. I designed this project to gain hands-on experience with modern cloud architecture and full-stack development.
- > **Birthday Reminder Pro** An intelligent iPhone shortcut that has garnered over 114 downloads by providing automated and accurate birthday reminders from contacts. The utility uses "year-agnostic" logic to ensure timely notifications, showcasing problem-solving beyond traditional development.