dev.to/mendoncamaria
github.com/mendoncamaria
Portfolio: maria-mendonca.vercel.app/

MARIA MENDONCA

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EMPLOYMENT

Cloud Engineer **Niveus Solutions Pvt Ltd** **October 2024 - Present**

- **System Architecture & A11y:** Leading the transition to AI-augmented WCAG 2.1 compliant architectures; implementing automated accessibility auditing (Axe-core/Lighthouse) to ensure inclusive UX across enterprise platforms.
- **Performance Engineering:** Steering a cross-functional team to optimize Core Web Vitals and GCP infrastructure, resulting in a 30% improvement in system responsiveness.
- **Technical Governance:** Establishing "Clean Code" standards and strict ESLint/Sonarqube guardrails for AI-assisted development, reducing production defects by 20%, and ensuring long-term codebase maintainability.
- **Modernization & R&D:** Driving architectural roadmapping for an enterprise Flutterflow migration, focusing on Generative AI integration, cloud-native services, and scalable component design.
- **Incident Response:** Ensuring 24/7 high availability by resolving critical production bottlenecks with a 30-minute Mean Time to Recovery (MTTR).

Cloud Associate **Niveus Solutions Pvt Ltd** **July 2022 - October 2024**

- **Microservices Management:** Orchestrated a high-complexity ecosystem of 120+ microservices, managing state and data flow using Zustand, Redux, and TypeScript.
- **Technical Debt Recovery:** Spearheaded a massive Sonarqube cleanup, resolving 450+ bugs and 1,300 code smells to reach an 85% unit testing coverage target.
- **Full-Stack Optimization:** Engineered robust RESTful API integrations and optimized frontend delivery through code-splitting, reducing initial load times by 30%.
- **Team Leadership:** Mentored a team of 10+ junior developers, conducting code reviews and technical KT sessions to ensure pixel-perfect UI/UX implementation.
- **Stakeholder Collaboration:** Translated complex business requirements into scalable technical designs for international clients, ensuring 100% adherence to Figma/Zeplin specifications.

Cloud Explorer **Niveus Solutions Pvt Ltd** **January 2022 - July 2022**

- **Component Development:** Developed reusable UI components and user-facing features using ReactJS and Redux, establishing a foundation for modular library design.
- **API Integration:** Successfully integrated third-party APIs across multiple web modules, working closely with senior analysts to resolve complex logic issues.
- **Frontend Fundamentals:** Built and styled high-fidelity, responsive web pages using HTML5, CSS3, and JSX, focusing on cross-browser compatibility and clean documentation.

TECHNICAL SKILLS

- **Programming Languages:** HTML, JavaScript , TypeScript , Python , PHP , C# , Node.js , Go , Java
- **Framework**: ReactJS , React Native , NextJS , Express.js , AstroJS , Gin-Gonic, Radix UI, Headless UI, React Aria
- **A11y and Inclusive Design:** WCAG 2.1/2.2 (Level AA), WAI-ARIA, Screen Readers (NVDA, VoiceOver), Keyboard Navigation, Color Contrast Analysis, Focus Management, Semantic HTML5
- **Libraries**: Zustand, xState, Redux, Chart
- **AI & Machine Learning:** Vertex AI, LLM Integration (OpenAI/Gemini APIs), Prompt Engineering, AI Orchestration.
- **Database**: MongoDB, SQL, MySQL, PL/SQL, Postgres
- **Source Code Editor**: VS Code , Visual Studio , Notepad++ , Sublime Text , Eclipse
- **Development Tools and Code Quality:** Webpack, Sonarqube, ESLint, axe-core, Lighthouse CI
- **AI-assisted Development Tools:** GitHub Copilot, Windsurf AI, Cursor AI.
- **Styling and Preprocessing:** CSS, Sass, Tailwind CSS, Material UI
- **Testing and Debugging:** Jest, React DevTools, Cypress-axe, React Testing Library (a11y queries), React DevTools, Accessibility Insights
- **Version Control:** Git (via Gitlab and Github)
- **Design and Prototyping:** Figma, Zeplin

- **Cloud Technologies:** Google Cloud Platform(GKE, Cloud Functions, Cloud Firestore, Cloud Pub/Sub, Logging) , Google Firebase , Docker, Amazon Web services.
- **Continuous Integration and Deployment:** Jenkins
- **Deployment Platform:** Vercel, Netlify

EDUCATION

Bachelor's of Computer Applications **St Agnes College (Autonomous)** **June 2018 - September 2021**

Main coursework: Data Structures, Design and Analysis of Algorithms, Computer Architecture, Artificial Intelligence, Database Systems, Operating Systems, Software Engineering.

HSC **St Mary's English Medium School** **June 2016 - May 2018**

Main coursework: Physics, Chemistry, Maths, Computer Science

PROJECTS

- **Project Dashboard:** Built with TypeScript and Vite, deployed on Vercel. This is a list of my personal projects.
- **Online Voting System:** This project was built using PHP for Academic Grading.

ACHIEVEMENTS AND VOLUNTEERING

- **Niveus Employee of the Month:** Received this award 2 times for outstanding performance in managing live technical issues and client communications, demonstrating exceptional problem-solving skills and client support.
- **First Place, Intercollegiate Debate:** Won the top prize at an intercollegiate debate competition in 2019, representing the St. Agnes College BCA Department.
- **Coding Competition Winner:** Took first place in a coding event hosted by St. Aloysius College in 2021.
- **Niveus Mangalore Marathon:** Volunteered for 4 consecutive years at the Niveus Mangalore Marathon, contributing to the successful execution of the event.

TECHNICAL LEADERSHIP & COMMUNITY

Workshop Speaker | GDG Devfest 2025

- Designed and conducted the "Firebase Fast-track" workshop for 150+ participants.
- Taught full-stack Serverless Development and Automated Deployment patterns, focusing on real-time data synchronization and cloud security.

Open Source Code Mentor | Exercism

- Providing expert code reviews and architectural guidance across multiple programming languages (TypeScript, Go, Java).
- Helping international learners master Clean Code (SOLID) principles and idiomatic programming patterns.

Technical Mentor (Internal)

- Mentoring a team of 10+ junior developers in ReactJS best practices, high-performance state management, and WCAG 2.1 accessibility standards.

LANGUAGES

English German Hindi Kannada Marathi