Bibiana Magdelene

Full Stack Developer — MEAN Stack Engineer — Software Engineer

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Professional Summary

Full Stack MEAN Developer with 2 years of expertise in Angular Node.js and MongoDB. Skilled in building secure scalable applications REST APIs and microservices with modern DevOps practices. Strong problem-solving abilities with excellent communication skills and experience collaborating with cross-functional teams to deliver enterprise-grade solutions on schedule.

Technical Skills

Languages: JavaScript TypeScript Python HTML5 CSS3 **Frameworks:** Node.js Angular AngularJS Express.js **Databases:** MongoDB Redis MySQL PostgreSQL Sequelize ORM **Authentication:** OAuth2 Microsoft Entra ID SSO JWT MSAL HashiCorp Vault **Cloud & DevOps:** AWS EC2 Docker Jenkins GitHub Actions CI/CD Pipeline Nginx PM2 Load Balancing **Tools:** Git GitHub Visual Studio Code Postman JIRA Agile Methodologies

Professional Experience

Software Engineer **August 2023 – May 2025**
Innoart Technologies *Chennai, India*

- **Authentication Hub (Feb 2025 - May 2025):** Built centralized authentication system serving 7+ enterprise applications with Microsoft Entra ID SSO handling high-volume daily authentication requests
- Developed comprehensive API Gateway using Express.js with support for 5 authentication methods including OAuth2 and custom JWT flows with automated token refresh
- Established reusable MSAL-based login components and created batch token generation processes reducing manual authentication overhead
- Built centralized rate limiter by user group for all backend APIs using API key verification and enforcing per-user-group quotas securely
- **Communication Hub (Nov 2024 - Dec 2024):** Engineered secure Node.js microservices integrating HashiCorp Vault for centralized secrets management processing high-volume daily credential requests
- Created Zoom and Microsoft Teams API integration for unified communication platform with seamless user experience and meeting scheduling automation
- Containerized all microservices using Docker with multi-stage builds and built robust CI/CD pipelines using Jenkins and GitHub Actions
- **eOps Enterprise Platform (June 2024 - Oct 2024):** Led migration of legacy AngularJS monolith to modern Angular 16 with decoupled Node.js microservices architecture
- Designed central SVG icon management system with inline DOM rendering to enable theme-aware color styling for dark/light mode compatibility
- **Smart Access Control (April 2024 - May 2024):** Enhanced Qualcomm's enterprise biometric access control platform with real-time user management advanced filtering capabilities and comprehensive audit logging
- Integrated Microsoft Entra ID for secure user authentication and profile management optimized MongoDB queries and implemented Redis caching strategies
- Designed and deployed scalable infrastructure on AWS EC2 with load balancing and managed production deployments with zero-downtime updates

Software Engineering Intern **January 2022 – May 2022**
HCL Technologies *Chennai, India*

- Innovated a medical equipment supply management system using Python and SQLAlchemy, handling 1,000+ equipment records with role-based access control across multiple user types in an Agile development environment

Key Projects

Caching Proxy Server for Internal APIs — Node.js Redis Nginx Express GitHub Actions **2025**

- Built production-ready caching layer improving API response times with Redis TTL control ETag validation and circuit breaker patterns
- Engineered intelligent request deduplication and dynamic routing with Nginx load balancing and automated GitHub Actions deployment

AI PDF Reader — Node.js Angular Redis Groq API pdf-parse **2025**

- Developed full-stack AI-powered PDF summarization app with dynamic chunking system for large documents and LLM prompt optimization
- Integrated Groq API Mixtral LLaMA with Redis caching to reduce redundant calls and built responsive Angular frontend

Education

Sathyabama Institute of Science and Technology **Chennai, India**
Bachelor of Engineering in Computer Science — CGPA: 8.8/10.0 *June 2019 – May 2023*

- Relevant Coursework: Data Structures & Algorithms Database Management Systems Software Engineering Web Technologies Computer Networks

DAV Senior Secondary School **Chennai, India**
Class XII — Score: 81% *2019*

Certifications & Achievements

MEAN Stack Development Full Stack Web Applications Udemy — **MongoDB CRUD Operations** NoSQL Development MongoDB University — **Python Programming** Certified Developer Udemy — Active GitHub contributor with multiple open-source projects