ANITHA NATARAJAN

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Summary

Results-driven Senior Software Architect with a proven track record of designing, developing, and implementing scalable, high-performance software solutions that align seamlessly with business goals. Adept at leading cross-functional teams, optimizing system architecture, and integrating emerging technologies to drive innovation and efficiency. Recognized for transforming complex requirements into robust, secure, and future-proof platforms that enhance user experience, reduce operational costs, and accelerate time-to-market. Skilled in microservices, cloud-based infrastructures, and enterprise-grade applications, delivering solutions that consistently exceed client and stakeholder expectations.

Skills

- DevOps
- Research
- Leadership
- Tech rollout
- Mobile apps
- Microservices
- Project management

- Security
- Training
- Software dev
- Collaboration
- Data modeling
- Architecture design
- Data modeling and management

- Strategy
- Presenting
- Critical thinking
- Communication
- Problem-solving
- Scalable systems
- Lifecycle management

Experience

Senior Software Architect   06/2023 to Current
PixelExpert Technology & Services Pvt Ltd   Chennai India

- Led the end-to-end architecture design and implementation of scalable enterprise software solutions, ensuring optimal performance and maintainability.
- Directed cross-functional teams in developing high-availability systems, aligning technology strategies with business objectives.
- Engineered innovative microservices architectures that enhanced system flexibility, reduced deployment time, and improved fault tolerance.
- Oversaw software lifecycle management, from requirements gathering to deployment, ensuring compliance with industry best practices and security standards.
- Championed the adoption of emerging technologies and frameworks, driving modernization initiatives that boosted productivity and reduced operational costs.

Professor & Consultant   06/2007 to 05/2023
Kongu Engineering College   Perundurai Tamil Nadu

- Taught advanced courses and mentored students, fostering critical thinking and practical application of subject matter expertise.
- Advised academic institutions and industry clients on strategic initiatives, curriculum development, and best practices.
- Conducted in-depth research and published scholarly articles that influenced academic discourse and industry innovation.
- Guided organizations through complex problem-solving processes, delivering tailored solutions to achieve measurable results.
- Presented keynote speeches and workshops at national and international conferences, sharing cutting-edge insights and methodologies.

Education and Training

Master of Information Technology   01/2008
Bharathidasan University

Bachelor of Computer Science & Engineering   **01/2004**

Shri Angalamman College of Engineering

Websites, Portfolios, Profiles

- www.linkedin.com/in/anithanataraj/

Additional Information

- English
- Tamil

Personal Information

- Date of Birth: 02/08/83
- Marital Status: Married

Disclaimer

I hereby declare that all the information stated above is true to the best of my knowledge.

Notable International Engagement

- Collaborated with German OEMs & Tier-1s for SDV middleware design, OTA diagnostics, and real-time digital twin models.
- Presented PoCs on adaptive platform integration and predictive ADAS validation using ROS2 and Simulink.
- Contributed to strategic workshops on SDV adoption and automotive innovation for European markets.

Core Skills

C, C++, Python, Java, SQL, PHP, JavaScript, AUTOSAR Classic & Adaptive, ROS2, FreeRTOS, CAN, LIN, Qt/QML, Power BI, STM32CubeIDE, VS Code, Git, Jenkins, Simulink, Robo Framework, JIRA, ADAS, SDV, Digital Twin, Infotainment Systems, HMI Automation, Embedded Linux, Client Engagement (German Tier-1/OEM), Team Leadership, Technical Pre-sales