

Ramakrishna Ravi

Product Owner/Technical Architect

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Profile

- Lead Architect with 20+ years of experience designing and delivering innovative, customer-centric software solutions in IoT, Cloud, Automotive, and Security domains.
- Skilled at translating technical vision into actionable strategies and solutions, with proven expertise in solution architecture, security frameworks, and full product development life cycles.
- Experienced in leading and mentoring teams across cross-functional and global projects. Passionate about creating secure, scalable, and high-impact technology solutions.

Experience

- June 2024–Sept 2025 **Product Owner, Architect, Bosch Global Software Technologies Pvt Ltd**
- Designed and implemented product using C++, eBPF, Python and Grafana for identifying system anomalies and resource bottlenecks for IOT devices. Developed MCP component to perform LLM Analysis for anomaly detection.
 - Worked on Cloud based Platform (AWS lambda, API gateway) for automating tenant and subscription management, accelerating customer onboarding and operational efficiency.
 - As product owner for Edge Middleware, lead global Software defined vehicles platform development using C++, Containerization, Eclipse Velocitas and HPC's across China, Germany, India and Vietnam regions driving strategic alignment and operational efficiency.
 - Handled Multiple roles PO, architect and security champion for Edge Middleware. Also responsible for driving ATAM, TARA, FMEA and security concept creation.
 - Defined and delivered product roadmaps for EDGE Middleware and translate business and customer needs into epics, user stories, and acceptance criteria. Drive Agile activities, ensuring productive sprint planning, effective backlog refinement, and actionable retrospectives.
 - Delivered middleware for connected cars with ultra low resource consumption for middleware components.
 - Guided OSS Project transition for commercial support and integration.

- May **Technical Lead**, *Bosch Global Software Technologies Pvt Ltd*
 2015–June 2025
- Transitioned through multiple roles from Team Lead to Architect in area of Eclipse Application development and IOT systems for Agricultural domain (Nevonex Product). Achieved over 95
 - Performed and realized various POC's in IOT area (OTA, FOTA, Satellite Connectivity) to analyze fit for functional and non-functional requirements which helped customer achieving continuous business plan.
 - Designed and delivered customized containerization and orchestration concept to run on ultra low resource devices.
 - Ensured SDLC excellence with TDD, code reviews, CI/CD, and vulnerability management.
- July **Module Lead**, *Impetus Infotech Pvt Ltd*
 2014–May 2015
- Worked on Digital Offering Ecosystem using technologies like Hadoop and Hive for data analytics of large data sets.
- January **Specialist**, *Bosch Global Software Technologies Pvt Ltd*
 2008–July 2014
- Developed Automotive tools and applications based Eclipse Platform, EMF, Xtext, Antlr etc.
- April 2005–January 2008 **Software Engineer**, *Vimukti Technologies Pvt Ltd*
- Developed various applications based on Java and Eclipse platform.

Certifications

- TOGAF - August 2025

Skills

- C++, Python, Java
- Linux, Yocto recipes ,Snap, ACL's, Shell scripting
- Cloud AWS, lambdas, Cognito, EC2, S3, API Gateway , Ditto
- Container Technologies, kanto, podman, docker, runc, CNI
- eBPF, BPF toolchain , Prometheus, Grafana, logging pipelines
- Eclipse Platform , EMF
- Jira , git, github, github actions

Education

- 2000–2004 **B.Tech, Computer Science and Information Technology**, *P.V.P Siddartha institute of technology (Affiliated to JNTU), vijayawada.*