

CHALLA RAVINDRANATH

Senior Engineering Lead

DETAILS

EMAIL

chr@challa.io

LINKS

[Linkedin Profile](#)

[Personal Website](#)

[D35 F&O Blog](#)

[X++ Datastructures](#)

[D365 F&O Design Patterns](#)

SKILLS

Engineering Strategy & Vision

Project Management

Customer Engagement

Cloud Architecture

Responsible AI Lead

AI Integration

API Development

ASP.NET Architecture

Data Analytics

Web Components

PROFILE

Technology leader with 20+ years driving enterprise innovation at Microsoft, building AI agent systems and cross-domain integration platforms. Strategic talent developer who builds high-performing engineering teams through inclusive leadership and personalized mentorship. Combines deep technical expertise (.NET, X++, cloud) with strong customer focus to consistently deliver business-critical solutions. Known for translating complex requirements into scalable architectures while developing future technical leaders.

EMPLOYMENT HISTORY

Senior Engineering Lead, Microsoft

Jan 2025 — Present

- Engineering Leadership: Established code standards and mentoring programs that reduced technical debt by 25% while improving customer-reported satisfaction scores by 18%
- Stakeholder Management: Transformed customer feedback processes, leading executive-level solution reviews that increased adoption rates and built trusted advisor relationships with key clients
- AI Innovation: Led business unit AI agent architecture that improved system observability by 40%, enabling personalized customer experiences that increased retention by 12%
- Customer-Centric Delivery: Directed D365 F&O implementation incorporating voice-of-customer throughout development, resulting in 90% positive feedback at launch and sustained engagement

Senior Software Engineer, Microsoft

Hyderabad

Jun 2021 — Jan 2025

- Data Analytics: Built enterprise analytics platform with dashboards
- API Development: Created scalable .NET APIs following industry best practices
- DevOps: Implemented monorepo architecture with optimized CI/CD pipelines for complex applications
- Project Management: Led cross-functional initiatives with accurate estimation and consistent delivery

- Frontend: Developed TypeScript components improving enterprise application interfaces

Senior Software Engineer, Microsoft

Hyderabad

Dec 2020 — Jun 2021

- Office 365 Integration: Implemented enterprise-wide solutions that unified communications and improved workflow efficiency
- React/Redux Architecture: Built TypeScript component libraries and state management patterns, boosting development speed by 40%
- OData Services: Created secure ASP.NET API architecture with optimization patterns adopted across multiple products

Senior Software Engineer, Microsoft

Hyderabad

Aug 2017 — Dec 2020

- ASP.NET Architecture: Developed full-stack solutions with scalable patterns for multiple business-critical applications
- React & GraphQL Implementation: Led React/Gatsby adoption with reusable component libraries that accelerated development
- D365 Portal Enhancement: Built Community Portal solutions with Liquid templates, increasing user engagement by 35%

Senior Software Engineer, Siemens PLM Software

Stuttgart

Apr 2017 — Jul 2017

- Test Excellence Leadership: Architected enterprise-wide test automation strategy for Siemens PLM products, establishing a quality-first engineering culture that reduced defect escape rates by 65%
- Engineering Practice Transformation: Influenced cross-functional development teams to adopt integrated quality approaches, elevating testing from a verification activity to a core engineering discipline

Senior Systems Integration Lead, Roche

Stuttgart

Dec 2015 — Mar 2017

- Regulatory Excellence: Orchestrated comprehensive validation frameworks ensuring full FDA compliance, implementing risk-based testing methodologies that prioritized patient safety while optimizing validation efficiency
- Python Automation Architecture: Pioneered end-to-end Python testing ecosystem for critical medical systems, creating modular frameworks that reduced validation cycles by 40% while improving detection of safety-critical defects

Software Engineer, Microsoft

Espoo

Mar 2014 — Nov 2015

- Telecom Application Engineering: Engineered advanced RCSe applications for Windows Phone ecosystem, delivering carrier-grade communication solutions for major European operators including Orange, Deutsche Telekom, and Vodafone

- Test Framework Development: Created robust automated testing frameworks for Windows Phone applications, implementing quality verification systems that ensured consistent performance across diverse network environments

Software Engineer, Nokia

Helsinki

Jan 2010 — Mar 2014

- Maemo OS Testing: Built Python frameworks for validating native applications across Nokia's Maemo devices
- Linux Mobile Automation: Developed test tools using Maemo's Linux foundations for system-level validation

Software Engineer, Wipro

Helsinki

Feb 2004 — Nov 2009

- Juniper Networks Automation: Developed Tcl/Tk scripting solutions for Juniper network equipment testing, implementing automated verification procedures for critical networking protocols and configurations
- Network Testing Infrastructure: Created test frameworks using Tcl/Tk that simulated complex network topologies, enabling thorough validation of Juniper's enterprise routing and switching platforms
- Symbian OS Mobile Testing: Engineered test automation systems for Symbian OS applications, implementing mobile-specific validation techniques during the early smartphone era

EDUCATION

Master's in Computer Applications, Madras University