

Ranjith Varatharajan

Application Development Specialist | Platform Engineer | Generative AI Practitioner

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PROFESSIONAL SUMMARY

Application Development Specialist with 11+ years of experience delivering enterprise-scale web applications, cloud-native platforms, and AI-enabled business solutions. Expertise spans Angular, TypeScript, Node.js, DevOps automation, CI/CD engineering, security governance, cloud technologies, and Generative AI integration.

Experienced in full software lifecycle ownership including requirement analysis, solution design, full-stack development, testing automation, deployment management, production support, vulnerability remediation, secrets governance, and release management. Proven ability to collaborate across Development, QA, Security, DevOps, and Business teams to deliver scalable and secure enterprise solutions.

Led development of key capabilities for an AI-powered Risk Finance Assistant leveraging AWS Bedrock, Retrieval-Augmented Generation (RAG), Prompt Engineering, and enterprise AI guardrails to enable secure natural-language access to business data.

TECHNICAL SKILLS SUMMARY

Frontend/Backend	Angular (v2–21), TypeScript, JavaScript (ES6+), RxJS, Angular Signals, HTML5, CSS3, SCSS/SASS, Angular Material, Node.js, Express.js
AI & Generative AI	AWS Bedrock, Prompt Engineering, Retrieval-Augmented Generation (RAG), LLM Integration, Conversational AI, Enterprise AI Assistants, AI Governance, AI Guardrails, LangChain (POC), Agentic AI Concepts
Cloud & DevOps	Pivotal Cloud Foundry (PCF), AWS S3, Azure DevOps, Git, CI/CD Pipelines, Release Automation, Deployment Management
Security	HashiCorp Vault, Secrets Management, Key Rotation, Vulnerability Assessment, Vulnerability Remediation, Secure Development Practices
Testing	Karma, Jasmine, Cypress
Methodologies	Agile, Scrum, SOLID Principles, TDD, Design Patterns

PROFESSIONAL EXPERIENCE

Application Development Specialist
Accenture India Pvt. Ltd., Coimbatore
Feb 2022 – Present

Lead development and maintenance of enterprise applications using Angular, TypeScript, Node.js, and REST APIs. Work closely with Product Owners, QA, Security, DevOps, and Business stakeholders to deliver scalable and secure solutions.

- Design and develop enterprise-grade Angular applications and reusable frontend architectures.
- Develop backend APIs and micro-services using Node.js.
- Implement unit tests, acceptance tests, smoke tests, and Cypress end-to-end automation.
- Participate in requirement analysis, story estimation, technical design discussions, and architecture reviews.
- Conduct code reviews and mentor developers on engineering best practices.
- Provide production support and perform Root Cause Analysis (RCA) for critical incidents.
- Collaborate across multiple teams to ensure successful delivery of business initiatives.

Additional contributions

- Contributed to enterprise-wide CI/CD template development used across multiple applications.
- Developed deployment automation pipelines supporting application promotion across environments.
- Manage deployments across SIT and Production environments hosted on Pivotal Cloud Foundry (PCF).
- Participate in release planning, deployment validation, and environment governance activities.
- Serve as one of the HashiCorp Vault administrators responsible for enterprise secrets management.
- Perform periodic key rotation activities in alignment with security standards.
- Lead vulnerability remediation efforts across Angular applications and Node.js micro-services.
- Developed automated vulnerability monitoring and notification workflows integrated with CI/CD pipelines.
- Implement AWS S3 integrations for secure document and file storage.
- Support cloud-native application deployments and operational activities.

KEY PROJECT

Risk Finance Management Platform & AI Assistant
Principal Engineer | Apr 2024 – Present
Team Size: 7

Risk Finance Management is an enterprise platform that enables users to monitor counterparty risk, financial exposure, and operational controls through dashboards, analytics, and AI-powered conversational experiences.

Risk Finance Dashboard

- Developed Angular-based dashboards used for monitoring risk and finance data.
- Implemented Role-Based Access Control (RBAC) features for secure user access management.
- Built reusable UI components and integrated backend business services.
- Contributed to platform modernisation and application maintainability initiatives.

AI-Powered Risk Assistant

- Contributed to the development of an enterprise conversational AI assistant integrated within the Risk Finance platform.
- Built Retrieval-Augmented Generation (RAG) workflows using AWS Bedrock foundation models.

- Integrated internal APIs enabling users to retrieve live business data using natural-language conversations.
- Enabled business users to query counterparty breaches, exposure information, and risk alerts directly through the chatbot.
- Implemented prompt engineering techniques to improve response relevance and contextual accuracy.
- Designed AI governance controls and guardrails restricting responses to approved business domains and enterprise data sources.
- Participated in response evaluation, optimisation, and hallucination reduction initiatives.

Technologies

Angular, TypeScript, Node.js, AWS Bedrock, RAG, Prompt Engineering, REST APIs, AWS S3, RBAC

PREVIOUS EXPERIENCE

- **Technical Lead**
L&T Technology Services Pvt. Ltd., Bengaluru
Sept 2018 – Feb 2022
Led Angular development teams, designed reusable frontend architectures, and mentored engineers.
- **Software Engineer**
Saggezza India Pvt. Ltd., Bengaluru
Oct 2017 – Sept 2018
Developed enterprise web applications using Angular and Microsoft technologies.
- **Software Engineer**
Cogwave Software Technologies Pvt. Ltd., Bengaluru
Oct 2016 – Oct 2017
Built enterprise web applications and backend services.
- **Software Developer**
Sivaskathi Software Services Pvt. Ltd., Coimbatore
Nov 2014 – Oct 2016
Developed business applications and participated in full SDLC activities.

AWARDS & RECOGNITION

- **ACE (Accenture Certificate of Excellence), Accenture India Pvt. Ltd.**
Recipient of the ACE Award on two occasions for outstanding technical contributions, delivery excellence, and commitment to project success.
- **Star of the Month, L&T Technology Services**
Recognised for exceptional performance, technical excellence, and contribution to successful project delivery.