

Krishnan Mani

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Summary

Hands-on technical leader with over twenty years of experience, practising agile software development, ensuring Continuous Delivery with Clean Code. Accomplished and certified Cloud Solutions Architect (ex-Amazon)

Skills, Domains, and Roles

- Test-Driven Development with Java, Python, JavaScript, and Ruby
- Creating integrated platforms with microservices using Spring/JVM deployed to Kubernetes, CI & CD with Jenkins
- Expert knowledge of cloud: 5x AWS certified
- Event-driven architecture with SQS, Kafka
- Infrastructure-as-Code with terraform, CloudFormation
- Data persistence: SQL with relational databases; NoSQL with DynamoDB (expert), MongoDB
- Business domains: financial services (securities trading, microfinance), journal publishing
- Roles: developer, sysadmin, tech lead, architect, business analyst, salesperson, and director

Career Outline

- Senior Principal Engineer, Elsevier, 2018 to 2023
- Solutions Architect, Amazon Web Services, 2015 to 2018
- Tech Lead, Equal Experts, 2012 to 2015
- Director, Intellect/ISTPL, 2010 to 2012
- CTO, Rang De, 2009-10
- Manager, Mphasis/EDS, 2008
- Lead Consultant, Cap Gemini, 2004 to 2007
- Assistant Project Manager, Blue Star Infotech, 2002 to 2004
- Senior Manager, Ways India Limited, 1999 to 2002

Project Experience

Senior Principal Engineer, Elsevier; May 2018 to October 2023

- Enabled user administration in Funding Data Manager (FDM) with standards-compliant authorisation (JWT claims) for front-ends and microservices
- Improved developer experience on Research Data Platform (RDP) with self-service administration of topics and schemas on Confluent Cloud Kafka
- Led delivery of Human-in-loop (on RDP) to augment inference from machine learning
- Delivered [CRediT](#) on Production Process Evolution (PPE) using event-driven serverless architecture with S3, SQS, and Lambda

- Improved Continuous Delivery (on PPE) including bespoke infrastructure provisioning for microservices; led migration of version control at scale (200+ repos) to Github
- Enabled significant (12 of 30+) microservices on Virtual Total Warehouse (VTW) to scale to billions of requests by moving to containers, accelerated releases with Continuous Delivery

Solutions Architect, Amazon (AWS); December 2015 to May 2018

- Enabled diverse customers (startups, SMBs, enterprises, partners, SIs, ISVs) to make the most of cloud, with effective architecture recommendations
- Engaged with service teams to fulfil customer feature requests and operational needs
- Delivered deep-dive technical workshops, training, and PoCs for customers
- Presented to public audiences at multiple events (as Amazon “PR certified” speaker)
- “Invent and simplify” efforts for internal tools and customer services (for e.g., precursor to [Storage Gateway appliance](#))

Tech Lead, Equal Experts; 2012 August to 2015 November

- Part of team that created and maintained “Storeroom” Big Data analytics and messaging solution to analyse app usage for popular mobile app O2 Priority Moments (Scala, Hadoop on EC2, Oozie, Yarn, MySQL)
- Led adoption of cloud services for multiple products (Giftbak app) and customer engagements (Qokoon)

Director, ISTPL Intellect; 2010 June to 2012 July

- Led software development team (of 5) for Mostfit (the first ever cloud-hosted MIS for microfinance). Undertook major refactoring effort to mitigate product technical debt, and mentored team on enhancements and customer onboarding
- (As Product Manager) envisioned and created product roadmap, and led feature roll-out.

(Earlier career experience available on request)

Education

- Master of Management, Shailesh J. Mehta School of Management, IIT Bombay
- B. Tech., Mechanical Engineering, Mahatma Gandhi University, Kottayam

Further information

I have right-to-work in the UK, and am open to travel. Please refer to [my website](#) for technical certifications, links to GitHub, writing, and other contributions.