Aravind Thiyagarajan

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Enterprise Technology Executive & AI Transformation Leader

Director-level AI Engineering leader with 24+ years in enterprise IT, specializing in AI strategy, digital transformation, and large-scale team leadership. Proven track record of delivering $57M+ in measurable business value through detailed business analysis, strategic architecture initiatives, cloud transformations, and AI-powered automation solutions.

SKILLS

- **AI/ML:** Python · TensorFlow · PyTorch · Scikit-Learn · Keras · LLMs (OpenAI) · RAG · MLOps

- **Cloud & DevOps:** AWS (EC2, S3, Lambda) · Azure ML Studio · Kubernetes · Docker

- **Software Engineering:** Pega BPM/PRPC Microservices · REST APIs · Node.js · React · Typescript

- **Data Engineering:** ETL/ELT · Data Modeling · SQL/NoSQL · Feature Stores

EXECUTIVE EXPERIENCE

WOLTERS KLUWER, Houston,TX   **June 2021 - Present**
Lead Enterprise Architect - Digital Innovation

- Led a global architecture function of 25+ cross-functional architects and multi-vendor teams (5–30 members each), delivering functional, technical, and data transformation initiatives that reduced delivery risk by 18%
- Architected a $32M digital transformation across 5 business units, integrating Pega BPM with cloud-native platforms and streamlining operations to reduce cycle times by 25% during strategic market consolidation
- Delivered 20% enterprise performance gains by establishing architecture governance frameworks that aligned between business strategy and technical execution
- Developed and executed enterprise-wide digital, data, and AI strategy for 5 global business units, enabling unified roadmaps and accelerating transformation delivery by 30%
- Built enterprise data governance frameworks and embedded Responsible AI within solution design, strengthening compliance posture and refining model transparency across all business units
- Developed executive-level digital maturity scorecards to measure adoption of AI, automation, and cloud capabilities, enhancing decision visibility and investment prioritization across the C-suite
- Partnered with data science teams to scale AI/ML models into production, enabling automated decision-making and achieving measurable efficiency gains across core processes
- Championed adoption of data product and marketplace frameworks, accelerating delivery of reusable datasets, feature stores, and API services, increasing data reuse by 40% across teams
- Modernized DevOps and MLOps practices, reducing delivery timelines by 15% and improving reliability of model deployment pipelines across the enterprise

TATA CONSULTANCY SERVICES, Houston,TX   **March 2016 - June 2021**
Customer Success Partner

- Advised C-suite leaders on enterprise-wide data and AI strategies, including business analysis, data governance, AI ethics, cloud modernization, and analytics-driven decision frameworks
- Led cross-functional teams to operationalize AI/ML use cases, integrating structured/unstructured data, NLP pipelines, and predictive models into business processes
- Acted as a strategic bridge between engineering, business operations, and data science teams, translating transformation goals into execution roadmaps
- Established partnerships with AI platform vendors and early-stage technology providers to accelerate digital innovation and enterprise modernization
- Directed software development team of 40+ architects and business consultants across multi-geography data and AI engagements, driving 95% on-time delivery and multimillion-dollar value creation

- Accelerated decision-making through business analysis and Python-based analytics and AI insights, increasing customer engagement 20 % and satisfaction 15 %

JPMORGAN CHASE, JerseyCity,NJ   **October 2015 - March 2016**
Vice President - Application Development
- Enhanced release efficiency 25% implementing enterprise CI/CD practices, significantly reducing production incidents and improving system reliability
- Improved system scalability 40% while reducing deployment times 10% through standardization of Pega and AWS-based architectures across 20+ architect teams

STANDARD & POOR'S, New York,NY   **June 2011 - October 2015**
Application Lead Manager
June 2011 - October 2015 Financial services technology and risk management solutions
- Reduced system downtime 35% through proactive monitoring and strategic cloud migrations, delivering $5M annual operational cost savings
- Improved data processing efficiency by 15% by standardizing Pega integrations across 8+ mission-critical projects
- Achieved 98% system uptime through enhanced performance monitoring, exceeding industry benchmarks

COGNIZANT, New Jersey,NJ   **June 2008 - June 2011**
Senior Project Manager
- Maintained 95% on-time delivery across multiple Pega enterprise implementations for Fortune 500 clients
- Established software development practices by enforcing enterprise coding standards, improved code quality by 30%

EDUCATION

Master of Business Administration AI & Digital Transformation, Hult International Business School, Boston,MA Specialization

Bachelor of Engineering Computer Science, University of Madras, Chennai, India

STRATEGIC CERTIFICATIONS

Pega PRPC Certified Lead System Architect (ID: PEGA006017)
Project Management Professional (PMP) (PMI ID: 1742047)
IBM & Darden Digital Strategy Specialization (Executive Leadership)
AWS Data Engineering Certification
QuantConnect Q4 2024: AI-Driven Trading Strategy Development