
NARAYANAN RAMACHANDRAN

The Mark Residences, NRI Layout, 1st Cross, RM Nagar, Bangalore 560016 ♦ C: +91 938 030 9584 ♦ narayanprabad@yahoo.co.in

PROFESSIONAL SUMMARY

- Hands-on Technology leader and Solutions Architect with 15+ years of professional experience in finance and e-commerce domains and with excellent design and architecture skill set.
- Along with technical skills, I leverage functional and leadership skills to make a business impact. Believes and follows authentic leadership principles.
- I strive to pursue continuous learning and sharing of knowledge; be it keeping up with the latest and emerging technologies, judging at hackathons, joining panel speakers, actively participating in hackathons and training others to benefit from them.
- Highly skilled in collaborating with businesses and operation stakeholders to identify process inefficiencies and drive solution development. I exhibit good verbal and written communication skills, including precision questioning and answering.
- 6+ years of proven experience in people and team management, goal setting, individual career progression planning and appraisal cycles. Ability to work under ambiguous circumstances, lead and provide direction to the team.
- In my current role, in addition to engineering world-class products using the AWS ecosystem, big data technologies and digital assets, I mentor and lead some very talented engineers.

SKILLS

Programming Languages:	Java, Groovy, Python, Javascript, C++, C
Cloud technologies:	AWS Ecosystem, Pivotal Cloud Foundry, spring boot, Microservices
Distributed systems:	Networking, API Design, Distributed transactions, Distributed Consensus, Zookeeper, concurrency practices, Microservices, Scalability practices
Web Technologies:	JavaScript, HTML, CSS, ReactJS
Integration / Streaming:	WebSocket, Elasticsearch, Kafka, RabbitMQ, AMPS
Big data technologies:	Hadoop, Spark, Storm, Flink
Databases:	Polyglot persistence, RDBMS, Cassandra, MongoDB
CI/CD:	Jenkins, Git, Spinnaker, Terraform, Orchestration and choreography
Testing:	Junit, Selenium, Cucumber, Spock
Functional:	Financial services, E-commerce, Healthcare, Investment bank, Asset and wealth management, Futures and Options, Algorithmic Trading, Business Process Modelling, Reference data, Regulatory reporting, Trade booking, Reconciliation, OTC products, Mutual funds, Settlement, Treasury services
Leadership:	People management, System design, architecture and discussions, Agile and scrum practices, Scrum Master and Product owner experience, Project plan and roadmap, Performance review and appraisals, Estimation, and resourcing, Hiring, Training, and mentoring
Other interests:	Blockchain, Ethical hacking, Cyber security practices, Domain driven design, Quantum computing

WORK HISTORY

Vice President, Technology, JP Morgan Chase & Co. June 2016 to Present	
CIB Trade sphere booking and Reporting for FnO and OTC Real-time data streaming and enrichment application responsible to process trades & positions, and enriching and booking them in the internal bookkeeping applications. It sends notifications to other	Tech Stack: AWS Ecosystem, Java, Python, Spring Boot, Spring Cloud tools, Oracle, Cassandra, Kafka Stream, Kafka, AMPS, Spark, Amazon ElastiCache, Elasticsearch, Jenkins, Sonar, CI/CD pipeline tools, React JS,

<p>downstream systems about various events and messages. The daily volume handled is 10+ million messages per day.</p> <p>The reporting engine generates various Regulatory and Client reports as required by Clients / Exchanges and regulators of different countries. The engine also produces Client statements for 500,000 F&O and OTC customers. This has a UI dashboard for Reporting & Analytics for business users.</p>	<p>Role: Principal Engineer / Architect. Also managing a global team of 20 Engineers.</p> <p>Application owner</p>
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<p>Key Achievements:</p> <ul style="list-style-type: none"> Led multiple initiatives to develop high-performant distributed systems, which in turn resulted in decommissioning of legacy As400 infrastructure, which cut down the operational costs for the firm by 800,000 dollars per annum. Led the conversion of several batch processing systems to real-time streaming platforms, reducing processing delays by up to 3 hours. This facilitated the timely delivery of reports to Regulators, further cementing the firm reputation and avoiding reputational and financial impacts, because of huge delays. As an Application Security Champion and Application owner, ensure the fitness of the code repositories, SDLC processes and Time to market, in terms of secure coding practices, test coverage and clean code practices in general. Led all the Tech modernization aspects including the Adoption of JPMM UI Toolkit (firm-wide UI toolkit based on React), ID Anywhere (firm-wide Open ID connect standard), Kerberos, and AWS. With each initiative, published articles and facilitated easy adoptions for other teams. Architecture and Governance program lead, worked across projects under the Line of Business, identified and documented reusable components, outlined coding standards, and drove adoption of standard tooling, development, and dev-ops best practices. Consulted with Senior Business and Tech management to devise product roadmaps. Cross-trained 100+ internal candidates working in legacy technologies, and imparted distributed programming skills, this resulted in a major cost reduction involved with hiring external candidates. Won several accolades from Business leadership for project contributions. Organized workshops for the direct reports, to facilitate their overall well-being – including career guidance, technology pieces of training, and financial, physical, and mental health awareness. Managed to have a high score on Employee Opinion Survey, and successfully managed to retain top talents. 	
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<p>Technical Architect, McFadyen Solutions</p> <p>Feb 2014 to May 2016</p>	
<p>E-commerce platform for Louis Vuitton and Ikea</p> <p>Solutions Architect was responsible for building highly scalable E-commerce applications for the Ikea furniture brand and Louis Vuitton with exposure to all the core Commerce pipelines (Browse, checkout, payment, and order management).</p>	<p>Tech Stack: AWS Ecosystem, Java, Python, Spring Boot, Elasticsearch, Spring Cloud tools, Oracle, Kafka Stream, Kafka, Redis, Jenkins, Sonar, CI/CD pipeline tools, Angular JS</p> <p>Role: Technical Architect. Also managing a global team of 10 Engineers. Additionally, acted as Product owner in an agile team</p>
<p>Key Achievements:</p> <ul style="list-style-type: none"> Created a reusable component repository and developed a virtual machine with all required for building an E-commerce site. This boosted the meantime to market for the projects. Worked closely with the company's sales team, and came up with customized workflows for prospective clients. This facilitated the firm to win 4 client deals, worth close to 2 million dollars. Won Employee of the Year, 2015 for firm-wide contributions. 	

<p>Technical Lead, Computer Sciences Corporation</p> <p>Feb 2012 to Feb 2014</p>	
<p>Online Banking Platform for Bank of Zurich</p> <p>Online application portal for facilitating Banking Services for Bank of Zurich retail customers. Technical lead, and developed REST-based services for Retail banking for mobile and web applications. Worked</p>	<p>Tech Stack: Java, Spring suite, Hibernate, IBM Websphere MQ, Oracle DB, Jquery, Javascript, HTML, CSS, Tomcat</p> <p>Role: Technical Architect. Also managing a global</p>

on Integration with Third-party payment services, and swift transfer payment options, card control services.	team of 10 Engineers.
Key Achievements: <ul style="list-style-type: none"> Optimized the platform to support peak customer volume of up to 500,000. Performed heap and thread dump analysis to identify the bottlenecks concerning memory spikes. Spearheaded the adoption of converting monolith to multiple smaller services, which also facilitated to scale of the system. 	

Technical Lead, Nielson India May 2011 May 2012	
Project: Panel Inspire Web Application Online tool wherein samples for media measurement are identified, contracted, and recruited to a particular survey. Building online portals for Nielson involving complex workflows.	Tech Stack: Java J2EE, Spring, Hibernate, Activiti, Spring batch, JQuery, Oracle, Groovy, Grails Role: Technical of a team of 6 Engineers.
Key Achievements: <ul style="list-style-type: none"> Code quality champion for the firm: Introduced the team to the right mix of code quality plugins and created a uniform coding practice across the firm. Proposed and implemented significant user interface features, by taking feedback from differently-abled users, and winning their confidence. 	

Full stack application Developer/ Lead, UST Global Feb 2008 to May 2011	
Online portal for Anthem Pharmacy Building an online web portal which facilitates Anthem users to order and refill Pharmacy online. Involved in the design and development of crucial modules.	Tech Stack: Java J2EE, Spring, Hibernate, Oracle DB, JQuery, Javascript, HTML, CSS Role: Full stack developer / Lead / Configuration controller
Key Achievements: <ul style="list-style-type: none"> Led the initiative to make the platform Mobile friendly. Worked with Account directors to implement CMM Level 5 practices and quality controls. Actively led the Java Centre of Excellence, and conducted several workshops and training programs. Won Chairman's award for project and firm contributions. 	

EDUCATION

Masters in Computer Science 2004 -2007 with First Rank in the University
MES College of Engineering, Calicut University, Kerala

Bachelors in Electronics 2001 -2004 with First Rank in the University
College of Applied Sciences, Calicut University, Kerala