BALAJI RENGARAJULU

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PROFESSIONAL SUMMARY

Principal Engineer/Engineering Manager with 15+ years of experience leading distributed teams and architecting scalable cloud, AI/ML, and enterprise software systems. Proven track record of driving innovation, building high-performance teams, and delivering mission-critical platforms in SaaS, automotive, and fintech domains. Skilled in balancing hands-on technical leadership with strategic planning, resource allocation, and cross-functional collaboration.

CORE SKILLS

- **Programming & Frameworks:** Python, Java, Go, C#, .NET
- **Cloud & Infrastructure**: AWS, Azure, Docker, Kubernetes, Terraform
- **Data & AI/ML**: TensorFlow, scikit-learn, LLMs, Federated Learning
- **DevOps & CI/CD**: Jenkins, CircleCI, Git, Maven
- **Databases**: MySQL, MongoDB, Oracle, SQL Server
- **Web/Component Technologies**: TypeScript, React/AngularJS, JavaScript, Jasmine with Karma for Web development
- **Frameworks:** Python Flask, Spring Boot, Gorilla, Ginkgo, Pytest, JUnit

PROFESSIONAL EXPERIENCE

Integrate.ai | Toronto

Principal Engineer / Engineering Manager | Jan 2023 – Present

- Architected and led development of privacy-preserving ML Applications on AWS/Azure, enabling secure federated learning and cross-party data exchange.
- Designed and deployed automated ML pipelines using Python, Docker, Terraform, and CircleCI, improving training throughput by ~30%.
- Developed AI Agents and LLM-driven user interaction tools, enhancing product functionality and user engagement.
- Defined best practices and high-level technical architecture, influencing engineering standards across teams.
- Partnered with Product Owners to refine requirements, prioritize features, and ensure on-time delivery.
- Managed team resourcing and capacity planning, ensuring project milestones were consistently met.

Tekion ULC | Toronto

Engineering Manager | Dec 2021 – Jan 2023

- Responsible for architecting and development of Java based Full Stack applications using Java, Spring, React, TypeScript, MongoDB, AWS and Elastic Search.
- Directed a distributed team of 10+ engineers across US, Canada, and India, delivering high-performance SaaS applications in the automotive domain.
- Established architecture and coding best practices, reducing defect rate by 20% and improving code quality.

- Facilitated sprint planning and served as Scrum Master, proactively removing blockers and increasing velocity.
- Architect high level technical designs and define best practices for overall success of the development team.
- Partnered with Product Owners to align technical roadmaps with business objectives, accelerating delivery timelines by 25%.
- Capacity and Resource planning for delivering projects within the stipulated timeline.
- Review performance of individual developers and provide feedback in a timely manner.

Ceridian Inc | Toronto

Architect / Sr. Staff Software Engineer | Dec 2020 – Dec 2021

- Architected and developed SaaS applications using Java, .NET Core, React MongoDB, and Azure.
- Designed event-driven architecture using Kafka & Kafka Streams, streamlining data pipelines across business units.
- Built and managed Kubernetes platform deployments, reducing infrastructure provisioning time by 40%.
- Led cross-team adoption of Azure DevOps pipelines, standardizing CI/CD and reducing release times.
- Deployed applications in Azure using Azure DevOps and Kubernetes.

Box Inc | Redwood City, CA

Senior Software Engineer | Sep 2018 – Dec 2020

- Built cloud based PaaS (Platform as a service) using GO lang, Python, Java and Shell Script.
- Manage and support box containerized applications using Jenkins & Docker/Kubernetes.
- Develop REST API's for integration of backend systems with external applications.
- Working on enhancing the availability and scalability of Linux based box deployment platforms.
- Collaborated with product teams to prototype and deliver new digital tools in an agile environment.

Tesla Motors | Fremont, CA

Staff Software Engineer | Jan 2014 – Sep 2018

- Developed data centric event driven applications using GO lang, C#.NET, REST, micro services, MYSQL, Angularjs and JavaScript.
- Led CI/CD automation with Jenkins, Docker, and Kubernetes, reducing deployment cycle time by 40%.
- Developed REST API's for integration of backend systems with external applications.
- Worked on technical design and prototyped a fast-paced agile environment.

Art.com | Oakland, CA   Jul 2013 - Dec 2013
- **Senior Programmer Analyst** Designed and developed high traffic e-commerce web applications.
- Handled Application deployment, post release troubleshooting and support for backend API's.
- Used HTML5, CSS 3, Java Script, JQuery, JAVA, ORACLE PL/SQL, Mongodb, C# and Endeca for full stack application development.

Synergy Quad Inc, Sacramento, CA   Nov 2012 - Jul 2013
- Full stack programmer Developed web applications using C#, ASP.NET, HTML, CSS, JavaScript, & SQL.

- Involved in database design and development using relational databases.
- Worked on web application performance tuning and scaling for high traffic applications.

Tata Consultancy Services   Nov 2006 - Nov 2012
- Worked as ASP.NET and SharePoint principal consultant, Managed a team of developers in a fast-paced development environment
- Responsible for translating business requirements to technical specifications, development, code review & integration testing.
- Managed and lead mid-sized teams to develop multi-tiered distributed web applications in agile/scrum development environment using C#.Net
- Used WPF, WCF, ASP.NET, SQL SERVER, IIS. Specialized in Single Sign on Web based security such as OASIS, OAUTH.

EDUCATION

- **Masters in Computer Software Engineering**, San Jose State University, CA, Dec 2016, GPA: 3.7 / 4.0
- **B. S. Computer Science**, University of Madras, Chennai, India**,** Jun 2003, Grade A

CERTIFICATIONS

- Microsoft Application Development Foundation with Microsoft Visual C#.NET
- SQL Server Programming
- Mongodb Development in Java and NodeJS