

Muthuraman S
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Summary

Versatile engineer with sound understanding of nuances of product development and consulting. Certified in product development from Kellogg's School of management, NWU.

Currently managing two different teams for design, development and testing of Restful API development (Springboot, guice), cloud native component development , data pipeline implementation (kafka, Pubsub, Hadoop, Spark, streaming).

Owning development and test deliverables, breaking down the stories into technical tasks, scoping work. Managing team performance, identifying shortcomings, technical training requirements and making sure deliverable are on time. Identifying the strength and career plans of individual members of the team and making sure they are motivated.

Improving coordination between team members, resolving technical and logistic issues in getting approvals, access and information across different functional teams.

Helping team members scale up in new products, helping low performing team members with trainings, resolving conflicts between engineers.

AWS (VPC, Security Policies, ELB, Cloud formation, EKS, EC2, S3, EBS, Lambda) and GCP (pubsub, cloud storage, ilb, kubernetes)

Data modeling, code and design review for SQL, noSQL DBs, integrating search tools(Solr/ES). Comfortable working in Agile environment, certified scrum master. Planning resources, recruiting and suggesting recent trends/tools/methodologies for continuous improvement

Monitoring CI/CD for any possible issues, reviewing test strategy, creating Splunk and GCP monitoring dashboards for reviewing the status.

Identifying scope for automation and cost savings and implementing them effectively.

Establishing credibility with the stakeholders in a consulting environment

Engaging the right engineers to resolve customer issues and helping the support team

Getting complete understanding of the product source code and estimating amount of work involved, SRE tasks involved, setting the acceptance criteria for the definition of done, identifying product features and customer needs and giving recommendations, technical guidance.

Excellent knowledge of PaaS, SaaS cloud deployment and upgrade, multi tenant systems development, ensuring guardrails for application security and resilience, focussing on result and details

Education

Product Strategy , product management - Kellogg's School of Management, Northwestern University
ME - College of Engg., Guindy - Embedded System Technologies
BE - Bharathiar University - Electronics and Communication Engg.

Compunnel Inc - Dec 2020 to Feb 2021 - Architect

Managing delivery of microservices. Managed three different teams and responsible for design and delivery of microservice components (Springboot, GCP - pubsub, firestore, cloudstorage, kms).

- Service contract, architecture and implementation recommendations. Contributing as an individual contributor as well.
- Ramped up team in understanding the product and taking ownership of the modules.
- Being the PoC for any techno functional requirement.
- Setting realistic goals for the team and tracking the progress with possible milestones, aligning with the overall product strategy.
- Championing the product with the internal teams for quicker adoption.

Informatica LLC(Fulltime) - Enterprise data catalog development - Apr 2019 to Dec 2020

Enterprise data catalog data pipeline development(Hadoop, YARN, SPark, SpringBoot), lineage creation and optimization for Enterprise data catalog.

- Discussing with customers on the requirements and product issues, identifying changes and amount of work invlved, helping support engineers sclae up in the new product features and technical knowhow.
- Optimized application code for different product tiers supported, resolved customer escalations from customer success teams.

MobileIron (Full time) - Oct 2018 to Mar 2019

Platform support for enterprise MDM (security). Platform scripts development and testing. Design review, resource planning and strategy . GCP CCloud native REST Microservices development. Monitoring CI/CD for any possible issues, reviewing test strategy, creating monitoring dashboards for reviewing the status. Understanding the requirement for different tiers of customers including fedramp customers.

Google - IoT backend and device integration - Lead (consultant)

Jun 2017 to Oct 2018

Lead consultant, supporting backend and device integration, release planning.

- Full understanding of firmware and services architecture, integration engineering. Application performance and backend support(Java, Scala, Guice, docker, kafka, aws, gcp, cassandra).
- Served as a product SME for integration of specific family of devices.
- Worked on release, staging rollout and performance evaluation strategy, getting PoCs with the team for new projects.

Mindtree - Technical Manager - Jun 2016 to Jun 2017

- Daily scrum, requirements identification from monolith application, user stories creation, work breakdown, pair programming. Measuring key KPI to make sure development and testing are on track.
- Responsible for team performance, indentifying training needs, helping low performing engineers giving them side tasks to improve their confidence and client facing skills.
- Meeting with the individual engineers to help them improve their performance.
- Tracking tickets creation for sub tasks and tech debt.
- Working on PoCs.Managing team deliverables, identifying resources, providing estimation, reviewing test and development strategy from consulting team.
- Setting acceptance criteria, roping in the correct resources for specific deliverable, presales activities.

Lead Engineer / Tech Lead - Infosys Limited

Played the role of architect, identifying integration issues and custom component development needs, managing deliverable by engaging osshore team to improve delivery timelines, sprint planning wwith appropriate selection of stires for the sprints. Identifying resource replacement needs and communicating withthe upper management . Contributing in team members work appraisals.

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Batch systems development in Springbatch & Hadoop, offshore co-ordination, API development for product recommendation, PISQL programming.

Served as a lead working in sprint planning, story points estimation, peer reviews, application and database design, data source identification.

Scientist 1 - NIOT Ocean Acoustics - Apr 2010 to Aug 2011

Completed four different deployments with the given budget and timelines including supply chain and custom board and software development. Product progress reporting to the funding agency, sourcing components and equipment from outside the country, managing tasks within the time window.

Managing technical and non technical engineers, with the given budget and time frame for getting the development work done and arranging the logistics to deploy the equipment in site. Sensor array development, Data analysis identifying noise patterns, filtering to extract data of interest, custom data acquisition system development.

**Application development for Linux based control panel - SRM Tech - Aug 2011 to Mar 2012
CE+T , Belgium**

Identifying product requirement, gaps and integration points, performance requirements to get the development work going. Linux kernel and application porting, C++ application development in Linux for high speed control panel. Ported Xorg to match a new form factor display.

Software Engineer - Radien software private limited

Linux application development, back porting kernel BSP to superH target board.

Java component development for uploading data from devices and iUI for managing customer records exported.