Shankar Raju

SDM at AWS S3 | Ex-Microsoft | Ex-EOG Resources

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Results-driven software development manager with over 13 years of diverse experience in software engineering. I currently lead a team of 10 talented software engineers in the S3 Org at AWS, delivering services for durably storing and retrieving customer data, owning policy-driven tools for storage, cost, performance, and data management. My expertise lies in managing products that not only drive revenue but also influence it. I excel in coordinating cross-functional teams to meet challenging project deadlines.

As a former engineer, I led pivotal projects, including Microsoft Teams integration for Power BI at Microsoft, the delivery of critical authentication and user identity solutions for multimodal Alexa devices, and the successful launch of AWS AppSync, a managed GraphQL service at Amazon. My extensive background encompasses solving intricate business problems in the Oil and Gas sector, spanning areas like Financial, HR, Mobile, and IoT technology.

🏆 Accomplishments

> Empowered underperformers into high-impact contributors employing strategic coaching and dedicated support.
> Successfully streamlined project execution with strategic trade-off management and effective prioritization.
> Demonstrated expertise in thriving within diverse cross-cultural business settings.
> Co-authored a research paper on Cellular Automata, presented at the 2011 International Conference on Scientific Computing.

🔧 Skills

People Management:	Performance Evaluation, Resource Allocation, Conflict Resolution, Mentorship and Coaching
Project Management:	Agile, Scrum, Kanban
Client:	React, WPF, ASP.NET, HTML5/CSS3, iOS
API:	GraphQL, REST
Backend:	AWS Services, ElasticSearch, Oracle, Redis, MongoDB
Languages:	Java, TypeScript, JavaScript, C#, Swift, Go, C, C++

☰ Professional Experience

Current
Jul 2022

Software Development Manager III

AWS S3 *(Vancouver, Canada and Seattle, WA)*

Proficient in strategic team leadership, cross-functional collaboration, and driving business-aligned initiatives in complex software management domains.

> Own software and services responsible for durably storing and retrieving customer data.
> Designing, building and evolving storage placement strategies and storage engine as we adopt new storage and drive technologies.
> Led multiple 2-pizza teams driving >$25MM YoY in CapEx savings, deploying solutions for diverse customers.
> Effectively managing services at an unprecedented scale (processing >900T keys WW, >350 EiB), ensuring high operational standards and solving cross-team challenges.
> Driving Security, Compliance initiatives, spearheading Automation efforts to minimize manual intervention, and collaborating with dependencies to ensure alignment with stringent timelines.
> Directing team objectives aligned with business goals, conducting comprehensive program reviews, providing high-quality leadership updates.
> Managing underperformers through coaching, enabling positive transformations, and fostering individual growth by aligning opportunities with their strengths.

`AWS`　`Project Management`　`Strategic Leadership`　`Team Management`

Jul 2022
Apr 2021

Senior Software Development Engineer

Microsoft Corporation *(Seattle, WA)*

Led a team enhancing collaboration efforts with Microsoft Office and Microsoft Teams for Power BI, a premier business intelligence solution. This involved leveraging technologies like C#, React, and .Net to extend Power BI's capabilities for a more integrated user experience.

`C#`　`React`　`.Net`

| Apr 2021
Oct 2017 | **Software Development Engineer II**
Amazon Web Services *(Seattle, WA)*
Designed and implemented critical components within AWS AppSync, focusing on optimizing customer adoption. |

> Architected and delivered CloudWatch logs integration in AWS AppSync for debugging and monitoring APIs.
> Led the release and contributed to a new guided API builder for AWS AppSync.
> Contributed to the open-source project, Amplify GraphQL Transform, providing @searchable directive support.
> Resolved 200+ tickets over multiple on-call rotations, including bug fixes, ops tasks, and customer inquiries.
> Conducted workshops, initiated educational blog posts, and represented AWS at external conferences.

`Java` `TypeScript` `React` `Redux` `Kotlin` `Ruby`

| Oct 2017
Aug 2015 | **Senior Applications Developer**
EOG Resources, Inc. *(Houston, TX)*
Led the modernization of EOG's HR suite, facilitating real-time compensation data access and introducing a secure, scalable Encryption Architecture. |

> Spearheaded containerization using Docker, creating a robust and cost-effective Service Oriented Architecture.
> Architected a highly secure, modular Encryption Architecture, eliminating third-party license costs.
> Deliver multi-platform, scalable apps for real-time employee data to Business and HR leaders.

`C#` `WPF` `SQLite` `NodeJS` `Docker` `Oracle` `ElasticSearch` `Redis`

| Aug 2015
Oct 2014 | **Applications Developer**
EOG Resources, Inc. *(Houston, TX)*
Led the development of high-impact mobile applications, significantly impacting operations and savings at EOG Resources. |

> Led the development of a heavily utilized mobile networking application post-winning EOG's Hackathon 2015.
> Created a mobile app enabling HR and Senior Management to compare employee compensations and track individual career progress, recognized among the top 3 apps by Executives.
> Headed a critical project resulting in $800M savings over 2 years by enhancing operational efficiency for producing wells, utilizing ElasticSearch for scalable data processing.

`C#` `WPF` `Swift` `WebAPI` `IIS` `Oracle` `ElasticSearch` `Couchbase`

| Oct 2014
Oct 2011 | **Senior Associate Applications Developer**
EOG Resources, Inc. *(Houston, TX and Calgary, Canada)*
Spearheaded critical initiatives and system improvements, optimizing financial processes and application communication for enhanced decision-making at EOG Resources. |

> Enhanced a SOX compliant web app, streamlining the capital expenditure approval process.
> Implemented a Net Cash Flow system enabling efficient planning, forecasting, and evaluation of business activities, aiding capital resource deployment and allocation.
> Facilitated seamless transition and user adoption by rolling out financial systems in Canada.
> Developed a synchronization framework for seamless inter-app communication, reducing operational costs and fostering independent team productivity.
> Integrated Spotfire Web Player into native C# apps, enhancing data visualization across multiple applications.

`C#` `WPF` `HTML` `JSP` `JavaScript` `Java` `WebAPI` `WCF` `Oracle`

| Aug 2011
Jul 2011 | **Summer Intern**
British Petroleum *(Houston, TX)*
Engaged in an internship at British Petroleum, contributing to the enhancement of a project developed during coursework at the University of Houston. |

> Optimized survey configurations by simulating node recording systems for acquiring ocean bottom seismic data.
> Developed a WPF-based application for running simulations to refine node organization.

`C#` `WPF` `SQLite`

🎓 Education

| 2009-2011 | Master of Science in Computer Science from University of Houston | *Houston, TX* |
| 2005-2009 | Bachelors of Technology in Computer Science and Engineering from JNT University | *Hyderabad, India* |