Gurusubramaniam Sundararaman

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Engineering Leader

Experienced architecture and engineering leader with 15+ years in financial services (PayPal, Greenlight). Proven track record leading enterprise architecture strategies, cloud migration (AWS), and modernization efforts across microservices and event-driven systems. Adept at aligning architecture with business goals, ensuring compliance (CFPB, IRS), and leading cross-functional teams in fast-paced environments. Strong advocate for scalable design, stakeholder communication, and technical governance.

Skills

Architecture & Leadership Highlights

- Defined and executed enterprise architecture strategies for regulatory and onboarding platforms at PayPal, serving 450 M+ users.
- Architected and replatformed Greenlight's mobile and web stack from monolith to microservices and micro frontends.
- Directed cloud-first transformations using AWS (EC2, Lambda, DynamoDB, S3), improving scalability and resilience.
- Led multi-team initiatives to deliver secure, scalable, and compliant systems, aligning with CFPB and IRS 1099-K requirements.
- Created architecture governance standards and reusable components for consistent and secure delivery.
- Experienced in Agile methodologies, IT program delivery, budgeting, and cross-organizational stakeholder management.

Technical Skills

Distributed Systems, Client-Server Architecture, Cloud Migration (AWS), Microservices, API Design, Event-Driven Architecture, Enterprise Architecture Strategy, Architecture Governance, Agile & Scrum Leadership, JavaScript, Node.js, React.js, GraphQL, Python, Java, Docker, Kubernetes, MongoDB, Postgres, AWS (EC2, Lambda, S3, SQS, SNS, CloudFront, DynamoDB)

Professional Experience

TORCH.IO - Remote, NC
Senior Engineering Manager | Oct 2024 - Feb 2025
- Led frontend modernization and architecture strategy for a contextual coaching SaaS platform.
- Transitioned monolithic codebase to modular web apps and microservices to improve maintainability.
- Established engineering architecture and quality standards for delivery excellence.
- Directed end-to-end program execution from estimation to launch.

Greenlight Financial Technology - Remote, NC
Senior Engineering Manager | Nov 2023 - Sep 2024
- Defined and implemented architecture strategy for platform replatforming from Gatsby to Next.js.
- Led microservice and micro frontend migration for a hybrid web and mobile app.
- Architected server-driven UI using GraphQL for platform-agnostic rendering.
- Introduced test automation and DevOps practices that reduced the release cycle by 90%.
- Managed Programs end-to-end from preparing the estimation, delivery timelines, and complete project proposal.
- Use of GraphQL, Node.js for serving the page schemas to the front end to get it rendered in Web, Native devices.

Tuya Infotech - Remote, CA
Senior Software Engineering Manager | May 2023 - Oct 2023
- Developed architecture and delivery plan for community health SaaS platform.
- Migrated services to AWS, increasing scalability and reducing cost.
- Designed and developed a solution and managed team performance, delivery, and program for community health program management (SaaS).
- Delivered Cognito-based authentication and re-architected training portals for user education.
- Led and re-architected the training portal for the clients as an education platform to understand how the CHPM works, which acts as the primary source of information for the community managers. This reduces the amount of time spent by our Product Managers and support to train the community managers and team workers on getting the information from the individual.
- Automated testing & deployment, reducing release cycles by 60% and time-to-market by 40%.
- Managed Programs end-to-end from preparing the estimation, delivery timelines, and a complete project proposal with milestone charts.

PayPal Inc. - San Jose, CA
Software Engineering Manager, Level 2 | Oct 2011 - May 2023
- Directed enterprise architecture initiatives across onboarding, compliance, and shopping platforms.
- Led global product launch for 1099-K to collect SSN for compliance with the new IRS law for non-compliant users.
- **Revenue of $40 million** in YoY by adding Israel, Russia, and Thailand operational licenses.
- Consolidated product workflows to reduce integration support by **50% and improve the user conversion** rate by 10% by making architectural changes to understand the existing integration and make it an efficient and effective integration.
- Developed consistent CFPB disclosure and fee experience, allowing the company to **avoid a $25M** user lawsuit.
- Provided architectural, people, and thought leadership, end-to-end technical solutions in the launch of a Shopping **Platform for 450M customers**.
- Pioneered mobile-first design strategies, significantly boosting user engagement and multi-platform experience, and improving engagement from **20M to 70M users.**
- Supported LTR and RTL (l10n) and ensured accessibility (a11y) by building testing into the software development cycle and delivery process. This **reduced engineering time by 25%**.
- Reduced **hiring costs by 20%** and increased **hiring velocity by 40%** for in-demand engineers by partnering with leadership to source personnel from Canada, India, and Mexico.
- Introduced the concept of "nano-sized" code, optimizing coding assets from **1.2 MB to 600 kb (~67 kb zip)** with versioning to create shareable isomorphic UI components. This "nano-code" promotes reusability, consistency, and modularity across different workflows.
- **337K Net New Active** accounts Annualized.
- Introduced an additional 10 product offerings brought to the Unified Onboarding platform. (unifying onboarding flows from Charity, Checkout, p2p transaction flows, PayPal.me).
- Increased Accessibility Score from 80% to 100%.
- Registered **15% Decrease** in Consumer Perceived latency.

Earlier Career History

CSC - Chennai, India
Sr Software Engineer | Oct-2006 to Oct-2011 Front-end engineer, responsible for building user interface screens, and integrating with backend Java API.

Education
- Master of Computer Science Applications (MCA), Anna University (June 2003 - June 2006)
- Bachelor of Computer Applications (BCA), University of Madras (June 2000 - June 2003)