SANDEEP RAMAMOORTHY

PRINCIPAL SOFTWARE ENGINEER | TECHNICAL LEAD | AI-ASSISTED PRODUCT ENGINEERING

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EXECUTIVE SUMMARY

Principal-level software engineering leader with 15+ years of experience building and modernizing high-traffic, globally distributed internet, marketplace, and healthcare platforms. Software Development Engineer V and Tech Lead at GoDaddy, directly managing three frontend engineers and influencing architecture and delivery across a 10-engineer GoDaddy Auctions organization. Combines hands-on engineering with roadmap ownership, architecture leadership, data-driven product experimentation, production reliability, and responsible AI-assisted development. Proven results include **5–7% Gross Collection Rate lifts across multiple statistically significant experiments, a separate $5.1M incremental business impact from another winning experiment, a 99% reduction in HTTP 500 errors, a 50% reduction in PR review cycle time, and a 50% increase in team delivery velocity.**

CORE EXPERTISE

Technical Leadership: Architecture Strategy, System Design, Roadmap Planning, Cross-Functional Leadership, Team Development, Delivery Leadership, Architecture Reviews, Production Incident Management

Product & Experimentation: A/B and Multivariate Experiments, Decision / Guardrail / Informative Metrics, FullStory, Product Analytics, Customer Insight Discovery, Data-Driven Product Development

AI-Assisted Engineering: Generative AI, LLMs, AI Agents, Agentic Workflows, Claude Code, Closed-Loop Development, Automated PR Reviews, Human-in-the-Loop Verification, MCP Integrations

Architecture & Platforms: Distributed Systems, Frontend Architecture, Microservices, Event-Driven Architecture, Serverless, REST/SOAP APIs, Scalability, High Availability, Web Performance, High-Traffic Web Platforms

Technology: React, Next.js, TypeScript, JavaScript, Node.js, Go, Java, C#, AWS, Kubernetes, Docker, OpenTelemetry, Kibana, Akamai, HAProxy, SQL

PROFESSIONAL EXPERIENCE

GoDaddy, Inc. | Remote, USA — **Software Development Engineer V (Principal) / Tech Lead** — **APR 2025 – Present**

- Lead and develop a frontend engineering team (L2–L4) and provide technical leadership across the broader GoDaddy Auctions organization — owning roadmap planning, architecture reviews, delivery, and production incidents.
- Conceived and led a 3-person team (June 2025) to build an AI-powered real-time ID-verification agent for GoDaddy Auctions that collects customer's ID documents, validates, and either auto-approves the account or routes it to the risk team for manual review.
- Won GoDaddy's "Compress the Cycle" hackathon (March 2026) by building an AI-powered system that monitors competitor product changes for Engineering, UX, and Product teams — cutting PM gap-analysis time from days to minutes.
- Led the architecture and end-to-end delivery of Auctions Domain Details Page v3; the winning A/B variant delivered a statistically significant $5M lift in Incremental Gross Cash Receipts and graduated to full production.
- Drove five AI-assisted, data-backed product experiments, defining decisions, guardrail, and informative metrics; three shipped as statistically significant winners, each improving Gross Collection Rate by 5–7%.
- Established a guarded AI-assisted engineering workflow using Claude Code, parallel development workstreams, and automated PR review with final human verification — cutting PR review cycle time 50% and raising delivery velocity 50%.
- Modernized observability across three high-traffic applications with structured OpenTelemetry logs and Kibana dashboards; weekly reliability reviews reduced HTTP 500 errors by 99% within one month.

GoDaddy, Inc. | Remote, USA **Software Development Engineer IV (Staff)** **DEC 2022 – APR 2025**

- Won GoDaddy's 2024 GenAI Hackathon (Customer Experiences category) by building a GenAI chat application connected to multiple internal APIs to resolve complex customer issues.
- Created Akamai WAF and Bot Manager rules for GoDaddy Auctions, reducing malicious and unwanted traffic by 75%.
- Enabled controlled traffic routing and splitting between legacy and modern Auctions platforms via Akamai, SolarWinds NCM load balancers in Direct Server Return mode with IP-in-IP tunneling, and HAProxy based rate limiting.

GoDaddy, Inc. | Cambridge, MA, USA **Software Development Engineer III (Senior)** **SEP 2018 – DEC 2022**

- Won GoDaddy's 2020 Customer Experience Hackathon by building a production-quality Auctions Search prototype in 48 hours using React and Next.js; later led its design, development, and launch as the new Auctions Search experience.
- Led the architecture and implementation of GoDaddy's Domain Broker Service (React, Next.js, Go REST APIs hosted on AWS).
- Rolled out GoDaddy Domain Appraisals to 41 international markets.
- Spearheaded migration of 14 Java microservices from Oracle JDK 8 to OpenJDK 11, reducing Oracle licensing exposure and modernizing the runtime foundation.
- Won GoDaddy's Basharama 2022 hackathon event by optimizing the Auctions Beta application's DOM complete time to under two seconds within 48 hours.

GoDaddy, Inc. | Cambridge, MA, USA **Software Development Engineer II** **MAY 2016 – SEP 2018**

- Designed RESTful APIs enabling partner registrars to list domains for sale at GoDaddy Auctions.
- Built the new domain details page using React, Node.js, RESTful Java microservices, Consul, and Kubernetes.
- Designed the Domain Listing Service enabling Afternic.com users to list domains at GoDaddy Auctions.
- Migrated Auctions from GoDaddy's Mesa data center to the Buckeye data center, significantly reducing tech debt.

Philips Healthcare | Andover, MA, USA **Intern/Co-op Software Engineer** **Jan 2015 - Aug 2015**

- Designed a distributed patient-monitoring solution for critical-care and general-floor environments using wearable devices and cardiovascular early-deterioration algorithms.
- Built services and user experiences with C#, .NET, WCF/REST, SQL Server, SignalR, and AngularJS in an iterative agile model.

Tata Consultancy Services | Chennai, India **Systems Engineer** **Jan 2011 – Dec 2013**

- Improved stability of a pharmacy-dispensing platform and coordinated cross-team operational processes supporting rollout to more than 140 pharmacies.
- Reduced major application defects and improved recovery practices; received three client and employer recognition awards.

EDUCATION

Northeastern University | Boston, MA **2014 - 2016**
Master of Science in Computer Science

Anna University | Chennai, India **2010**
Bachelor of Engineering in Electronics & Communication Engineering