

Sakthipriyan Vairamani

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Staff Software Engineer — Distributed Systems & Platform Architecture — Privacy & Compliance at Scale

Node.js TSC Emeritus

240K+ Stack Overflow Reputation (Top 1%)

HIGHLIGHTS

- Node.js Technical Steering Committee (TSC) Emeritus; influenced direction of Node.js ecosystem
- Top 1% global Stack Overflow contributor with 240K+ reputation and 29.1M+ developer reach

CORE EXPERTISE

- **Languages:** Java, Python, JavaScript, Scala, C/C++
- **Distributed Systems:** Kafka, Event-driven architecture, High-throughput systems
- **Cloud & Platforms:** Kubernetes, Azure, Observability, CI/CD
- **Architecture:** Multi-tenancy, Low-latency systems, Platform design
- **Security & Privacy:** Consent systems, Compliance platforms, API security

EXPERIENCE

- **Walmart Global Tech** Chennai, India
Staff Software Engineer (Operating at Principal Scope) Apr 2022 – Present
 - Defined and led architecture for enterprise-wide Consent Management Platform adopted across Walmart Canada; designed for 200 TPS and 200ms latency with multi-region compliance support (**Kubernetes, Microservices**)
 - Owned observability and monitoring strategy for Privacy Platform processing 100K+ requests/day (including GPC), ensuring regulatory SLA compliance (**Distributed Systems, Observability**)
 - Partnered with Legal, Privacy, and Engineering leadership to standardize consent and compliance patterns across systems
- **PayPal India Development Center** Chennai, India
Software Engineer Sep 2014 – Mar 2022
 - Led design and ownership of Media Services platform delivering 100 TPS at 50ms latency using globally distributed CDN architecture (**Java, CDN**)
 - Architected Kafka–ElasticSearch streaming pipeline achieving 10ms latency and processing millions of events per minute (**Kafka, Streaming**)
 - Drove security and scalability improvements in FileVault platform supporting regulatory and financial data transfers at scale (**Security, Distributed Systems**)
 - Influenced architectural direction of Invoicing systems improving performance and reliability of critical workflows (**Performance, Backend Systems**)
- **Computer Sciences Corporation (for PayPal)** Chennai, India
Software Engineer Dec 2011 – Sep 2014
 - Designed anomaly detection systems to prevent account takeovers at scale (**Security, Risk Systems**)
 - Built multi-layer DDoS mitigation strategies for API infrastructure (**Network Security, APIs**)
 - Standardized frameworks mitigating CSRF and XSS vulnerabilities across applications (**Web Security**)
- **Honeywell Technology Solutions** Madurai, India
Software Engineer Nov 2010 – Nov 2011
 - Developed 3D engineering simulation tools using OpenGL for aerospace systems (**C++, OpenGL**)
- **IBM India Private Limited** Bengaluru, India
Software Engineer Aug 2008 – Sep 2010
 - Built telecom network systems for routing and performance monitoring (**Networking, Backend Systems**)

LEADERSHIP & COMMUNITY IMPACT

- Node.js TSC Emeritus influencing ecosystem-level technical direction and governance
- Top 1% Stack Overflow contributor with 2,980+ answers impacting 29.1M+ developers globally
- Organized and led JavaScript and Node.js meetups; speaker across Chennai and Bangalore developer communities
- Speaker at Great International Developer Summit (GIDS) and multiple developer conferences
- Delivered technical talks on Node.js Async Programming, Threads in Node.js, JavaScript Optimizations, Node.js Internals, Debugging Node.js Applications, and Git

EDUCATION

- **Kamaraj College of Engineering & Technology** Tamil Nadu, India
Bachelor of Engineering in Computer Science *2004 – 2008*