

Sakthipriyan Vairamani

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KEY FEATURES

- **Node.js project's Technical Steering Committee Emeritus**
TSC Emeriti
- **238,000+ reputation in stackoverflow**
#309 of overall answerers

EXPERTISE

- **Java**
Fifteen+ years of professional development experience.
- **Kubernetes**
Architected scalable applications which are deployed with k8s & Azure Cloud.
- **Kafka**
Effectively used as Message Queue, Publisher-Subscriber system in multiple mission critical solutions.
- **Multitenancy**
Developed multitenant solutions for complex usecases.
- **Python**
Learnt from some of the best developers in the internet. Actively use it in Competitive Programming.
- **Javascript**
Many popular Stackoverflow answers and taught classes.
- **Scala**
Bit rusty, but built high throughput systems with Akka.
- **C & C++**
Used to use these in competitive programming. Have experience working with them in Node.js Core and CPython.

EDUCATION

- **Kamaraj College of Engineering & Technology** Virudhunagar, Tamilnadu, India
Bachelor of Engineering in Computer Science; 72% Aug. 2004 – Jun. 2008
- **K.V.S Higher Secondary School** Virudhunagar, Tamilnadu, India
+2; 89% Jun. 2004

EXPERIENCE

- **Walmart Global Tech** Chennai, Tamilnadu, India
Staff Software Engineer Apr 2022 - Present
 - **Monitoring Solution for Privacy Platform:** Walmart's Privacy Platform is a cloud based microservices system, with dynamic workflows. Involved in architecting and rearchitecting of the whole monitoring system and infrastructure. This system is responsible for ensuring the Privacy Requests of the Customers are fulfilled before the legally mandated due dates.
 - **Consent Management System:** From Privacy standpoint, before the customers' data is used for specific purposes, an explicit consent has to be obtained from them. The consents and the purposes are different for different countries and states. This system defines and manages what the consents are, depending on the local laws, collects consents from the customers, and maintains them as the centralised source of truth along with Auditing capabilities. Architected the whole system, while working with different stakeholders, including Legal and Privacy teams.
- **PayPal India Development Center** Chennai, Tamilnadu, India
Software Engineer Sep 2014 - Mar 2022

- **Media Services:** This application holds all the customers' profile photos and invoicing logos of PayPal. This facilitates storing and retrieving them with APIs. Apart from that the images are delivered to the customers with Akamai CDN. Sole maintainer of this project.
- **FileVault:** This application is the port of PayPal. All external and internal secure file transfers happen via this. Ensured that application is secure and refactored it for maintainability.
- **Invoicing:** Refactored a huge chunk of critical parts of the Invoicing product for performance, readability, and memory leaks.
- **Kafka-ElasticSearch Pipeline:** This Akka streams based pipeline helps consuming data from Kafka, with back pressure, and publishing them to ElasticSearch. One of the core developers of this product.
- **Crawler:** Internal application which crawls websites from the internet. Improved the scalability of the application by reconstructing the core.

- **Computer Science Corporation**

Chennai, Tamilnadu, India

Software Engineer - for PayPal

Dec 2011 - Sep 2014

- **Web Security:** Developed and integrated prevention frameworks with all the PayPal flows for common web attacks like CSRF and XSS.
- **Anomaly Detection System:** Contributed to anomaly detection in the application layer, with respect to the number of requests and the type of requests. This helps greatly in preventing Account Take Overs.
- **DDoS prevention for PayPal APIs:** Developed a system which would validate the API requests at different network layers to prevent DDoS attacks.

- **Honeywell Technology Solutions**

Madurai, Tamilnadu, India

Software Engineer

Nov 2010 - Nov 2011

- **Turbobolt:** It is a bolted joint analysis program for the aeroplane engine manufacturing system. OpenGL was used to generate 3D models of the bolts.

- **IBM India Private Limited**

Bengaluru, Karnataka, India

Software Engineer

Aug 2008 - Sep 2010

- **AT&T Network Systems:** Managed various applications which deal with different network switches. Deploying routing information, bookkeeping of switches, and collecting performance information are few of the main aspects of these projects.