

Sakthipriyan Vairamani

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KEY FEATURES

- **Node.js project's Technical Steering Committee Emeritus**
TSC Emeriti
- **195,000+ reputation in stackoverflow**
Top 0.05% of overall answerers

EXPERTISE

- **Functional Paradigm**
Learning to think and express my ideas clearly in this paradigm.
- **Node.js**
One of the core contributors of the project.
- **Python**
Both Python 2 and 3. Have a bit of knowledge about the internals of CPython implementation.
- **Javascript**
Have a good understanding of the language and its specification.
- **Java**
Eight+ years of professional development experience.
- **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

- **PayPal India Development Center** Chennai, Tamilnadu, India
Software Engineer Sep 2014 - Present
 - **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.