Sakthipriyan Vairamani

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KEY FEATURES

- **Node.js project's Technical Steering Committee Member**
  List of TSC members and responsibilities

- **181,000+ reputation in stackoverflow**
  Top 0.05% of overall answerers

EXPERTISE

- **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. Also a little bit about V8 Engine.

- **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*
  - **FileVault**: This application is the port of PayPal. All external file transfers are done 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.
  - **Anamoly Detection System**: Contributed to anamoly 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.