

Senthilkumar Gopal

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Employment

Member of Technical Staff I

eBay Inc - *San Jose, USA*

Nov 2014 - present

IAF and Authentication Systems

- Designing and developing the next generation token mechanism for authentication of internal and external applications

Member of Technical Staff I

eBay PayPal India Private Ltd - *Bangalore, India*

Apr 2014 - Nov 2014

- **Vendor Integration Gateway Developer and Evangelist**
 - Designed and implemented gateway applications for vendor integrations such as Zoot, Jumio, Telesign, Targus etc.,
 - Designed and developed the end-to-end integration with Seller Registration flow
 - Async Microservices architecture pattern for vendor communication, profile evaluation and PayPal integration
- **Lead Developer for Global Password Reset**
 - Redesigned the FYP application to handle upto 100 times the traffic to ensure site availability
 - Design and develop product changes, analyze IO calls and optimize either by data structures or query optimization
 - Iterative UX changes to ensure responsiveness of the web pages, page speed optimization and site monitoring
- **Verification Platform 3.0 - self-driven initiative**
 - designed and developed a full fledged verification dashboard which helps analyze a user's verification history
 - designed and developed an extensible batch framework for monitoring critical site metrics
 - Designed and developed Verification base framework for rapid application creation using Spring MVC
 - **TaaS** - designed and developed a Text service for multiple clients with consumer based tracking & monitoring

Senior Software Engineer

eBay PayPal India Private Ltd - *Bangalore, India*

Oct 2011 - Mar 2014

- **Document Verification**
 - Designed the architecture for image upload, async validation, security protocols for vendor comm. and data storage
 - Developing POCs for multi-device usage using HTML5 APIs and polyfills for upload using getUserMedia API etc.,
- **Re-Architecture of Known Good Remedy**
 - designed and developed with modern web stack using Spring MVC, Git and Cloud deployments (Raptor)
 - complete documentation of the existing functionality, design and development of the backend SOA services
- **Global Seller Registration**
 - First ever PCI compliant secure Raptor infrastructure pool
 - Designed, developed and lead the end to end development of the application and backend SOA services.
 - Setup a secure pool in Raptor working closely with Network & Information security, Operations, Infrastructure etc.,

Senior Software Engineer

CSC India Private Ltd - *Chennai, India*

Jan 2010 - Oct 2011

- **Seller Registration - Migration to Services** [as contractor for eBay]
 - Designed/developed a simplified two-tiered Service structure to enable multiple clients perform verification flows
- **Seller Upgrade Limits for US** [as contractor for eBay]
 - Designed and developed a new Orchestration framework which combines multiple verification flows to provide a streamlined experience and was achieved using URL redirection and with internal state persistence.
 - Established security standards for vendor communications for KBA within the upgrade limits application

Senior Software Engineer

Mphasis FinSolutions Pvt Ltd- Chennai, India

Jun 2008 - Jan 2010

- **Web Asset Tracker**
 - designed/developed the application based on in-house eBIZ Framework, data modeling and using Web 2.0(Accordions, Lightbox), Export to Excel and PDF generation.
- **eBiz Business Platform (v3.6)**
 - Developed functionalities like Navigation using Google Maps, Tag libraries for Calendar, ICS Calendar generation etc.
 - Offshore Lead for evaluating multiple Javascript libraries and incorporating jQuery into the platform

Software Engineer

Infosys Technologies Ltd- Chennai, India

Nov 2005 - Jun 2008

- **Valuations Information Management System and Credit Risk Management System**
 - Developed the Quartz job scheduling system, PDF generation through PD4ML and Hibernate Query tuning
 - Offshore Team Lead and SME for the legacy VB 6.0 system and developed POCs for word document generation

Education

- Bachelor of Engineering (2001-2005) from Sathyabama Engineering College with 90%
- S.S.L.C. (Matriculation) with 86% and Higher Secondary (+2) with 95% (State Rank Holder)

Education - Other

- Attended workshops for Effective Javascript (by Douglas Crockford) and "Node JS in eBay/Paypal"
- **Sun Certified Web Component Developer 5 and Sun Certified Java Programmer**
- Coursera - Programming Mobile Applications for Android Handheld Systems with distinction

Awards and Projects

- Received acclaim and executive appreciation for leading the Global password reset (Q3 2014) project changes and monitoring
- Received the Spot Award in Q2 2014 for investigating dips in completion and resilient design structure
- Awarded the Exceptional Critical Talent Award in 2014 for overall Verification platform contributions
- Awarded the *Going the Extra Mile* Award for 2014
- Awarded the Shining Star Spot Award in Q3 2013 for creating the first ever Raptor PCI compliant secure pool
- Awarded the Business Innovation Award in 2012 for evangelizing the Vendor Integration Gateway in *Technovate*
- Awarded the Cosmic Kudos Spot Award in Q1 2012 for developing the Vendor Integration Gateway
- Won the coding Hackathon (Accelerate 2011) for developing a social data based application for eBay - *Social Nod*
- Awarded the Blue Moon Spot award in Q4 2011 for re-architecting the German Seller Registration
- Awarded the Blue Moon Spot award in Q2 2011 for creating the Verification Orchestration framework for Strong ID remedy
- Awarded the Blue Moon Spot award in Q3 2010 for Seller Upgrade Limits
- Awarded the Productivity Excellence Award in 2010 for contributions to Fraud and Risk platform
- Awarded Developer of the Month for the critical work done for eBiz Platform - *Javascript Framework Evaluation*

Technologies

eBay Specific	V3/V4, Raptor, BES, DAL, SOA, GINGER
Java Core	J2EE architecture and design, Java, Design Patterns
Open source frameworks	Spring MVC, Spring Batch, Handlebar JS
Java Libraries	Junit, Struts, Hibernate, Quartz, WordML, PD4ML, Velocity, JAXB, JSTL
Web Technologies	Ajax, SOA, REST, jQuery, CSS, SASS
IDES	Eclipse, WebStorm

Contributions

- Conducted sessions on Responsive Web Design, Secure PCI pool, Git & Github, Spring Batch
- internal blog posts on the Seller Registration end to end architecture design and development