Senthilkumar Gopal

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Technologies

eBay Specific	V3/V4, Raptor, BES, DAL, SOA, Ginger
Java Core	J2EE architecture and design, Java, Design Patterns
Open source frameworks	Hystrix, Guice, Spring MVC, Spring Batch, Handlebar JS, Squirrel
Java Libraries	Junit, Struts, Hibernate, Quartz, WordML, PD4ML, Velocity, JAXB, JSTL
Web Technologies	Ajax, SOA, REST, jQuery, CSS, SASS
IDEs	Eclipse, Intellij IDEA
Databases	Oracle, MongoDB, Couchbase

Work Experience

Member of Technical Staff I   eBay Inc - *San Jose, USA*   *Nov 2014 - present*

Authentication Systems
- Developing a generic One time Pin based authentication platform for site wide integration.
- Designing a multi level caching structure using guava and Couchbase.
- Rewrote the architecture for tokens minting, storage and validation for all applications.
- Contributor for the Resilience working group to define service resiliency standards.

Member of Technical Staff I   eBay PayPal India Private Ltd - *Bangalore, India*   *Apr 2014 - Nov 2014*

Vendor Integration Gateway Developer and Evangelist
- Implemented gateway services for external vendor integrations.
- Designed async microservices architecture for vendor communication and profile evaluation use cases.

Lead Developer for Global Password Reset
- Redesigned Password Reset application to handle up to 100 times traffic spikes.
- Developed product changes and optimized either by data structures or query optimization
- Iterative UX changes to improve responsiveness, pagespeed optimization and site monitoring.

Verification Platform 3.0 - self-driven initiative
- Designed a verification dashboard which helps analyze a user's verification history.
- Added an extensible batch framework for monitoring critical site metrics.
- Created Verification base framework for rapid application creation using Spring MVC.
- Designed **TaaS (**Text as a Service) for multiple clients with consumer based tracking & monitoring.

Senior Software Engineer   eBay PayPal India Private Ltd - *Bangalore, India*   *Oct 2011 - Mar 2014*

Known Good Remedy and Document Verification
- Designed the architecture for image upload, security protocols for vendor integration and data storage.
- Created POCs for multi-device usage using HTML5 APIs and polyfills for upload using getUserMedia API etc.
- Rewrote Known Good remedy using modern web stack of Spring MVC, Git and Cloud deployments.

Global Seller Registration
- Structured the first ever PCI compliant secure Raptor infrastructure pool.
- Led the end-to-end development of the application and backend SOA services.

Senior Software Engineer   CSC India Private Ltd - *Chennai, India*   *Jan 2010 - Oct 2011*

Seller Registration - Migration to Services [as contractor for eBay]
- Designed a simplified two-tiered Service structure to enable multiple clients perform verification flows.
- Developed a new Orchestration framework which combines multiple verification flows.
- 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*

eBiz Business Platform
- Developed functionalities like Google Maps Navigation, Tag libraries for Calendar, ICS Calendar integration etc.
- Offshore Lead for evaluating multiple Javascript libraries and incorporating jQuery into the platform.
- Created Web Asset Tracker with Web 2.0 (Accordions, Lightbox), Excel and PDF generation.

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
- **Android Nanodegree** from Udacity   *In Progress*
- MongoDB for Java Developers - [Certificate](#)   *Feb 2015*
- Sun Certified Web Component Developer - [Certificate](#)   *Aug 2009*
- Sun Certified Java Programmer - [Certificate](#)   *Aug 2008*
- Bachelor of Engineering (2005) from Sathyabama Engineering College with 91%   *Apr 2005*
- High School score of 95% with a State level Rank   *Apr 2001*

Awards
- *Hack Week* winner for eBay Groups mobile app and featured in Skunkworks.   *Q3 2015*
- Executive appreciation for leading the Global password reset.   *Q3 2014*
- Spot Award for investigating dips in completion and driving resilient design structure.   *Q2 2014*
- Exceptional Critical Talent Award for overall Verification platform contributions.   *2014*
- Going the Extra Mile Award for developing Text as a Service.   *Q2 2014*
- Shining Star Spot Award for creating the first ever Raptor PCI compliant secure pool.   *Q3 2013*
- Business Innovation Award for evangelizing the Vendor Integration Gateway in *Technovate.*   *2012*
- Cosmic Kudos Spot Award for developing the Vendor Integration Gateway.   *Q1 2012*
- Third place in *Accelerate* Hackathon for developing a social data based application for eBay.   *2011*
- Blue Moon Spot Award for re-architecture of German Seller Registration.   *Q4 2011*
- Blue Moon Spot award for building the Verification Orchestration framework.   *Q2 2011*
- Blue Moon Spot award for exceptional design for Seller Upgrade Limits.   *Q3 2010*
- Productivity Excellence Award for product contributions to Fraud and Risk platform.   *2010*
- Developer of the Month for Javascript Framework Evaluation.   *2009*

Presentations
- eBay Technology blogger with publication about [Application Resiliency using Netflix Hystrix](#).
- [Presentations](#) on Responsive Web Design, Secure PCI pool, Git and Github, Spring Batch.
- Multiple Internal blog posts on Seller Registration, end to end architecture design and development.