Prabhakhar Kaliyamurthy

prabhakhar@acm.org
http://github.com/prabhakhar
+1 (408) 832 3143

SUMMARY OF QUALIFICATIONS

- Seasoned Software Engineer with 12+ years of large systems software design and development experience
- Extensive programming experience in Java, C/C++, JavaScript
- Strong leadership and management skills, with experience in leading international teams on large projects
- Exceptional problem-solving expertise, analytical skills, and enthusiasm for tackling diverse technical challenges
- Expertise in data structures, algorithms and complexity analysis
- Extensive knowledge and experience with n-tier architectures, Concurrency, Object-Oriented concepts, RESTful Web Services, Design patterns, and Refactoring
- Thorough understanding of HTTP and other web protocols

COMPUTER SKILLS

Programming: Java, C/C++, JavaScript, Scala, and Python
Platforms: Linux, OS X, Windows
Others: Node.js, Kafka, Puppet, Salt, git and UNIX Internals

EDUCATION

1999-2002 Masters in Computer Applications,
College of Engineering, Guindy, India.
1996-1999 Bachelor of Science in Physics
Bharathidasan University, Thiruchirapalli, India.

PROFESSIONAL EXPERIENCE

2008-present: Member of Technical Staff at eBay Inc. Platforms Frameworks group.

Helping ebay to built its private cloud with openstack.

Lead Contributor to ql.io - http://ql.io, an open-source platform to make HTTP consumption super simple and performant at scale. Developed and administered npm packages like cluster2, ql.io-engine, ql.io-compiler etc., in npmjs.org

Lead engineer for operationalizing Jersey (JSR 311) within eBay.
Implemented JAXRS 2.0 features like 'hypermedia constraints',
client side asynchronous APIs, client auto-redirection, centralized logging,
monitoring etc.,

Developed key components in SOA Framework, ebay's in-house asynchronous,
high performant framework to ease the development of web services within
all eBay business domains. The framework provides Location Transparency,
Protocol and Data-Format independence, Versioning, Monitoring, and
other features required for RPC, like request-response pipelines etc.,

Project Lead for open sourcing the above mentioned SOA Framework,
code-named Turmeric. https://www.ebayopensource.org/index.php/Turmeric/Team

Notable contributions :
  - Support for Protocol buffers message format
  - Benchmarked the SOA Framework and identified the bottle-necks
  - Service Configuration through API
  - Support business teams to effectively use the framework

Maintained a database-based Messaging framework called 'Business Events Streams'
a high-performance infrastructure for integration eBay system components
using asynchronous, persistent, transactional business event streams.

2007-2008: Technical consultant at American Power Conversion.

Designed and implemented a customized scalable solution for APC Warehouse
systems based on Oracle WMS product.

2003-2007: Senior Member Technical Staff, ORACLE India Pvt. Ltd., Bangalore.

Part of the Directory Services team of Oracle Fusion Middleware. Worked on the integration
of LDAP server and LDAP tools with Oracle AS11g. Implemented Referential integrity in
Oracle LDAP server. Fixed many bugs in OID Bulk tools which are part of Oracle LDAP
Server.
Previously part of Shipping and Transportation module of Oracle Applications

2002-2003: Staff Engineer, INFOSOURCE MIGRATION TECHNOLOGIES, Chennai.

Joined a 7-person startup implementing a comprehensive migration solution
across a wide range of databases such as Oracle, SQL Server, IBM DB2, MySQL,
and PostgreSQL. Technology: C++, Java and SQL.