

Prabhakhar Kaliyamurthy

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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 Science,
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.

Responsible for centralized config system for ebay applications, and writing a distributed systems tracing framework to visualize traffic and latency patterns.

Made ebay applications more resilient by integrating the internal frameworks with Netflix's Hystrix, and advocating teams about aggressive timeouts, fail-fast behavior, fallbacks, sensible defaults etc.,

Involved in making cloud at ebay, one of the largest private clouds.

Lead Contributor to ql.io, an open-source platform to make HTTP consumption super simple and performant at scale.

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 within eBay. Implemented pre-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 WSDL based web services. The framework provides Location Transparency, Protocol and Data-Format independence, Versioning, Monitoring, and other features required for RPC. Open sourced the same.

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 server technologies, Bangalore.

Part of the Directory Services team. Worked on the integration of LDAP server and LDAP tools with Oracle AS11g. Implemented Referential integrity in Oracle LDAP server.

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.