

PRABHAKHAR KALIYAMURTHY

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EDUCATION

- 1999-2002 Master of Computer Applications (8/10)
College of Engineering, Guindy (CEG)
Anna University, Chennai, India.
- 1996-1999 Bachelor of Science in Physics
Govt.College, Bharathidasan University,
Kumbakonam, India.

SUMMARY OF QUALIFICATIONS

- Seasoned Software Engineer with 8 years of large systems software design and development experience
- Extensive programming experience in Java, C/C++
- Exceptional problem-solving expertise, analytical skills, and enthusiasm for tackling diverse technical challenges
- Expertise in data structures, algorithms and complexity analysis
- Good knowledge and experience with n-tier architectures, Concurrency, Object-Oriented concepts, Web Services, Design patterns, and Refactoring
- Thorough understanding of HTTP
- Basic functional programming skills

COMPUTER SKILLS

- Programming: Java, C/C++, Python and JavaScript.
- Platforms: Linux, OS X, Windows.
- Others: Coding Skills in Haskell, Python and JavaScript. JUnit, Java Internals, and UNIX Internals.
- Understanding of RESTful architectures, Hadoop and Cassandra.

PROFESSIONAL EXPERIENCE

2008-present: Senior Software Engineer at eBay Inc.,
Systems/Platform Technology group.

Currently I am member of SOA Framework team, a framework to support the development of web services within all eBay business domains (Marketplace, PayPal and others). By having a client-server architecture, it provides Location Transparency, Protocol and Data-Format independence, Versioning, Monitoring, and other features required for remote procedure call like request-response pipelines etc.,

Notable contributions:

- 1) Support for Protobuf as a data exchange format

- 2) Benchmarked the SOA Framework and helped to identify the bottle-necks
- 3) Refactored the framework to use Guice for dependency injection
- 4) Service Configuration through API instead of File-based config
- 5) Integration with VjO, a front end framework at eBay
- 6) Helping business teams to effectively use the framework and resolving the issues both during development and deployment

Prior to joining the SOA Framework team, I worked for 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.

For the past 2 years I am supporting the eBay Shopping API, 10% of my time.

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.

I was part of the Directory Services team of Oracle Fusion Middleware. Worked on the integration of LDAP server and LDAP tools with Oracle AS11g. Also implemented Referential integrity in Oracle LDAP server. Fixed many bugs in OID Bulk tools which are part of Oracle LDAP Server.

Shipping and Transportation, Oracle Fusion Applications

- Involved in all stages of development for three releases (11.5.10/CU2, R12) and in the integration of Oracle EBS with OTM using BPEL WS.
- Worked in technical Design of ,Create BC4J objects, project in Shipping module in Logistics Family of Oracle Fusion Applications.

Transportation - BulkLoader

Redesigned and wrote a Bulk Loader from scratch - database design, object/component design, design of logical and physical tiers and user interface design and unit testing. It accepts data files in specified formats from the service providers and validates and uploads them onto system tables to be further used by Freight Rating and Carrier Service Selection Engine. Wrote a 40+ pages design document for the system.

Enhanced the product by fixing about 210+ bugs in 11.5.8, 11.5.9, 11.5.10 and Release R12.

Done performance tuning of SQL queries for large volume Oracle Databases.

Technology: Java, PL/SQL, Oracle Forms and Reports, and OA Framework.

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.

The Framework enables applications to work with multiple databases without the need to port proprietary SQL queries from one database to another. It offers options to migrate all the queries on the fly through its innovative virtual JDBC/ODBC drivers or selected queries through direct API invocation.

Technology: C++, Java and SQL.

PROJECT WORK (MCA 2002)

Built a highly scalable software system, which is able to place any number of phone calls, on behalf of any number of customers at a moment's choice. I designed and developed the System for "Center for Professional Development Education (CPDE)", Anna University.

Using: Linux, C++ and Oracle.

PERSONAL DETAILS

Born: 24th May 1978, India.

Residence: 180 Alicante Dr, UNIT 316
San Jose, CA 95134.