

MOHANA SUBRAMANIAN

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Summary

- Highly committed and passionate engineer with impeccable accountability and experience building and delivering highly scalable solutions.
- Led a team through many releases, product acquisitions and challenging complex situations.
- Actively participate in the Agile software development life cycle process. Extensively during the Inception and the Iteration phase.
- Proficient in Object oriented programming concepts, Design patterns, Data Structure and Problem Solving, Software Design, and Architecture.
- Proficient in technologies: Core Java, JSP, Microservices, C/C++, Unix, SQLite, SQL Server, Oracle BI Discoverer.
- Worked in complete project lifecycle from requirement gathering to system analysis, design, coding, testing, debugging, documentation, and implementation.
- Follow team management principles like ensuring the product design documentation is up to date before the development, practicing blameless post-mortem reports for any issues reported in the production with an accurate timeline, and retrospection with the team.

Technical Skills

J2EE Concepts	JSP, Java Servlet
Programming Languages	Core Java, C++, C
Source Control	GIT, SVN
Build Tools	Maven, Gradle
Test Framework	JUNIT, Mockito
Database	Oracle, SQLite, MS SQL Server
IDE	Eclipse - STS
Reporting Tools	Oracle BI Discoverer
Scripting Languages	Unix shell scripting

Professional Experience

Systems Engineer

Sep 2015 – May 2017

TATA Consultancy Services, Chennai, India

RUPAY Card

- The project's main objective is to enable Rupay card transactions in rural areas of the country with the help of POS devices like Analogics, Visiontek, Ingenico and Verifone.

The entire application on the Rupay card was developed as a standalone and integrated with other applications.

- Understanding Chip based transactions and how data from chip cards can be encoded and decoded with cryptographic hash algorithms.
- Technology used: C/C++, Unix shell scripting, SQLite 2.0, putty.

Roles and responsibilities

- Led a team of 3 members.
 - Design and development of secure APIs for financial transactions across systems.
 - Interaction with customers (All public sector banks of India) to understand the functional requirements.
 - System understanding of the existing applications and working closely with Business and technical stakeholders to manage ongoing changes.
 - Performed unit testing and integration testing.
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Assistant Systems Engineer

Aug 2013 – Aug 2015

TATA Consultancy Services, Kolkata, India

ALCOA- (Aluminum Company of America - Australia)

- Involved in designing, developing, and supporting Java web application using JSP.
- Hands-on experience with JavaScript in the front end.
- Support Production issues and create a blameless post-mortem document in the confluence capturing the issue details, root cause, timeline and actions taken to resolve the issue.
- Technology used: Java, JSP, Servlet, SQL Server, and JavaScript

Co project - ALCOA- (Aluminum Company of America - Australia): Data Analytics Division

- Have hands-on experience working in Oracle BI Discoverer, a business tool for analyzing, reporting, and publishing data.
- Developing pl/SQL packages for the business reports.
- Tools used: Oracle BI Discoverer, Oracle BI Discoverer Viewer.

ANZ Credit card

- Production support for the ANZ backend services.
- Responsible for the SQL fix, Code fix and patching them to production.
- Identify and fix Performance issues in the SQL stored procedures by analyzing the Query Execution Plan.
- Work closely with the end user using the application to replicate the scenario in the lower environment.
- Analyze application stack trace from the production logs and write incident report documentation.
- Technology used: Java, SQL Server.

Achievements

- Presented a paper on "An Efficient Steganographic System by using Image fragments with High Security" at the "National Conference on Information Security" held at SASTRA University and **published in Information Technology Journal, SCOPUS Indexed.**

Abstract Link: <https://scialert.net/abstract/?doi=rjit.2013.456.461>

- Certifications



Certified **Microsoft Technology Associate** in Web Development Fundamentals
CERTIFICATION NUMBER: E078-3022



Microsoft Certified Professional

CERTIFICATION NUMBER: D702-1443

Education

Bachelor of Technology in Information Technology

2009 - 2013

SASTRA University, Thanjavur, India

CGPA: 8.38/10