

Career Objective

To find a challenging position as a java software developer within an interesting environment, where my talents can be applied and my experience expanded.

Experience Summary

- 3 year 2 month of experience in design and implemented client-server, concurrent, GUI enhanced, web based, service-oriented and database system.
- Knowledge of OOPs principles, functional programming, agile software development (refactoring, continuous integration, test driven development).
- Familiar with java world trends such as frameworks, libraries, design approaches.
- Experienced in planning, implementing and supporting tech solutions for personal/business purposes.
- Strong knowledge in data structure and algorithm.
- Team player with good analytical and communication skill. Enthusiastic and highly motivated.

Technical Skills

Programming Languages: JAVA, JavaScript, SQL, PHP

Server-side Technologies: JDBC, Servlet, JSP, JSTL, JNDI, JMS, Javamail, JAX-WS, JAX-RS, JPA, JAXB, Jackson, SLF4j, Swing

Server-side Frameworks: Struts 2, Hibernate, Spring

Client-side Technologies: HTML, CSS, XML, JSON, AJAX, jQuery

Client-side Frameworks: Bootstrap

Tools: maven, JUnit, git, Eclipse, Apache, Apache Tomcat, Jenkins

Web Hosting Service: GoDaddy.com, Amazon web service

Operating Systems: Windows XP, Vista, 7, Linux

Database: MySQL

Employment

Chemical Engineering, IIT Bombay

Junior Software Engineer

July 2013 - Present

National Mission on Education through ICT (Ministry of Human Resource Development)

- Designed various site for conference management system and workshop management system.
- Implemented the web analytic system for the existing application. It supports the user activity information such as location based information, visited web page, timing information etc.
- Designed template apps for generating static web site of faculty and student.

Environment: Spring MVC, Hibernate, HTML, CSS, JavaScript, Google Analytics, JQuery, Git, Eclipse, Tomcat, MySQL

Transportation Systems Engineering, IIT Bombay

Research Assistant

August 2011 - July 2013

Virtual Laboratory on Urban Transportation Systems Planning

- Implemented various graph/network algorithms for Four Stage Demand Modeling experiment conducted under Urban Transportation Systems Planning Laboratory such as Trip Assignment, Mode Choice, Trip Distribution and Trip Generation.
- Designed GUI for interaction with the traffic simulations.
- Developed and manage database for experiments and user information.
- Implemented **Online Room Booking** module for civil engineering department and deployed it on IITB server.
- Implemented **Conference Management System** for Transportation System Engineering department and deploy the web site in GoDaddy.com.
- Designed, planned and implemented complete network infrastructure (Synology DiskStation Manager) for Transportation Systems Lab.

Team size: 2-3

Environment: Struts 2, Hibernate, PHP, Swing, Java Applet, HTML, CSS, JavaScript, JQuery, Git, Eclipse, Tomcat, MySQL

LAKSHYA, Bhubaneswar

Computer Lab Assistant (part time)

December 2010 - August 2011

- Assisted students with computing-related queries, including programming languages (Java, C), Linux and networking
- Maintained a network of a magnitude of more than 50 PCs
- Created and maintained a student server FAQ as a guide for general assistance

Publication

- Sharma R., Jadhav S., **Tripathy D.**, Sardar V. H., and Patil G. R., Virtual Laboratory: An alternative approach to Urban Transportation Systems Planning Lab, submitted for the conference and *Journal of Transportation Research Board* to be published in January, 2014, USA
- Sangole J.P., Patil G.R. and **Tripathy D.** Agent-based Methodology for Simulation of Heterogeneous Traffic at Uncontrolled T-intersection Using Grid Based Cellular Automata, Proceedings of the 13th World Conference on Transport Research (13th WCTR), Rio the Janeiro, Brazil, July 2013.
- Patil G. R., Sharma R., Jadhav S., **Tripathy D.**, Singh A. K., Sardar V. H., and Chaudhary A. C., Virtual Laboratory on Urban Transportation System Planning Laboratory, 10th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2012), Mumbai, India, Dec 12-14, 2012. (Poster Presentation).

Education

Master of Computer Applications

August 2008 - July 2011

Utkal University, Vanivihar, Odisha

B. Sc in Computer Science

August 2005 - July 2008

D. D. Auto. College, Keonjhar, Odisha