

Ujwala S Jadhav

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465, Buckland Hills Drive,
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Objective To obtain a full time position as a Java developer / software engineer where I can use my diverse experience and skills in contributing towards the success of my employer.

Summary Software development professional with **2.5+ years** of extensive experience in databases, Java/J2EE application development for educational institutes, supply chain management and e-accounting services.

2+ years of research experience in software development for Robotics and Automation applications in Precision Agriculture Engineering using Java and databases.

- Proficient in Core Java, J2EE, JSP, Html, CSS, Servlets, EJB and JDBC, SQL.
- Rich experience in design and development of web applications using Struts and Hibernate frameworks.
- Extensive work experience in all the phases of software development process and rich knowledge of agile and waterfall development methodologies.
- Strong team player with good communication skills. Worked in collaborative team environment, multiple project managers and customers. Experienced in delivering the modules and projects at customer site.
- Analytical and skillful approach to problem-solving, identifying root causes and corrective actions to meet project goals and requirements.

Education **M.S. in Computer Engineering**, May 2011
University of Florida, Gainesville, Florida, GPA: 3.74
M.S. in Agricultural and Biological Engineering, December 2010
University of Florida, Gainesville, Florida, GPA: 3.74
M.S. in Computer Science, May 2004
University of Pune, Maharashtra, India, GPA: 3.5
Bachelor of Computer Science, April 2002
University of Pune, Maharashtra, India, GPA: 3.8

Professional Skills

Languages: Java (J2EE), C, C++, JDBC, Lisp, Progress 4GL, SQL, PLSQL, XML
Platforms: Windows XP/vista/windows 7(Advanced user), LINUX(Intermediate user)
Web related: HTML, CSS, EJBs, JSPs, Servlets, Struts, Hibernate, JMS, Java Script, MVC framework, Apache Tomcat, JBoss, Web logic, Oracle 10g application server
Applications: UML, MatLab, LabView
Databases: Oracle, RDBMS, MySQL, SQL Server 2000, PGSQL, ProDB
Tools: Ant build Tool, Eclipse IDE, JDeveloper IDE, Net Beans IDE

Experience **Graduate Research Assistant**, University of Florida January 2008 - Current
Precision Agricultural Lab, Citrus Research and Education Center

- 2nd Prize award winners in Robotic Student Competition at ASABE International Conference 2010.
- Developed an application to monitor the yield of citrus fruits, harvested mechanically and alarm the truck driver in the machine when the fruit amount reaches to its limit
- Developed an algorithm to calculate the volumetric yield of citrus flow on the conveyor using LIDAR technology.
- Citrus Greening Disease Identification - Decision Support System

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- Environment: **Java, JSP, HTML, CSS, Servlets, Apache Tomcat Server, MySQL**
- Requirement analysis, design and implementation of the live web application which would be helpful for the farmers and the growers to identify citrus greening disease infected trees in the grove. Live Application at <http://lyra.ifas.ufl.edu/CitrusGreening/>
- Development and implementation of a simulator to track the Robot and an algorithm to measure the heights of trees in an artificial forest
 - Environment: **Java swing applet, Java communication API, Java threads**
 - Developed a Java swing applet simulator to process the data received wirelessly and track robot activities and simulate those on the computer.

Software Engineer

June 2005 - December 2005

Larsen & Toubro InfoTech Ltd, Mumbai, India

Client: S&P, USA

Environment: **Java, JSP, HTML, CSS, Servlets, Weblogic, Struts, Hibernate, Oracle, Jira**
 Prototype Design, preparing test plans, developing modules and deployment of the application

- Designed and implemented Company valuation data, Material Changes, Balance Sheet, Income Statement and Import Batch modules
- Understanding the functionality of the system, writing test plans, test flows and test flow reviews for each module.

Software Engineer

June 2004 - June 2005

Four-Soft Ltd, Hyderabad, India

Client: DHL, Century

Environment: **Java, JSP, HTML, CSS, Servlets, EJB, JDBC, Tomcat Apache, Oracle 9i, 10g, JIRA, Design patterns**

Design different modules, provide support in resolving issues, development of change requests, restructuring different modules and improving the existing code, deploying and maintaining the application for the customers

- Responsible person for handling and restructuring e-accounts module for DHL customer.
- Designed and developed track and trace module for cargo mate application.
- Responsible person for delivering and deploying the trucking module for Century customer successfully.

Software Trainee Engineer

December 2003 - June 2004

ETH Research Lab of Dishnet, DSL, Pune, India

Client: University of Mumbai, India

Environment: **JSP, HTML, CSS, Servlets, Struts, EJB, Hibernate, Session Façade, Design patterns, XML, XSLT, JMS, JBOSS Server, PL/SQL, PostgreSQL**

As a software trainee engineer, I was responsible for analysis, prototype design, development, maintenance and testing different modules of E-learnings, Library system and Online examination system.

- Developed Authentication, Authorization and Auditing (AAA) module for School/College/University.
- Experience writing PL/SQL procedures and SQL programming.

Activities

- Awarded certificate of outstanding scholarship achievement from the honor society of Agriculture - Gamma Sigma Delta
- Member of American Society of Agricultural and Biological Engineers, since 2009

Major Projects

- Airline Flight Information and Reservation System (AFIRS) using **JSP, Servlets, MySQL, Apache Tomcat**
- Implementation of Data Manipulation and Data Definition database commands in **C++**
- Remote Desktop using **Socket Programming in Java**

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