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https://eict.iitr.ac.in/wp-content/uploads/IITR-GL-FSD-F2F-22-130.jpg

https://github.com/bharadwn/AllAssignments.git

OBJECTIVE

Java Full Stack Engineer, Back-end Engineer, Front-end Engineer, Java Software Engineer, Application developer, Consultant, Web designer and developer

PROJECTS IN PAST YEAR/S:

AWS DevOps Terraform 2023: Create an Autoscaling group using Terraform on AWS. The instances in the group should have Nginx installed on them(script used). Parameters in the ASG on coders discretion. Variables and Outputs in the script placed in a separate *.tf file. The script's output should be the DNS of the associated load balancer. (load-balancers, auto-scaling)

AWS Advanced – RDS 2023: Create a MySQL instance using RDS, and access it using a custom program from an EC2 instance using an appropriate role.

React JS -2022: Create a website where we maintain the latest films, Upcoming films, Top rated movies along with their details and manage user favorites. The user can search the different categories for a movie. Some features used are React JS, CSS, TypeScript, Axios APIs, JSON Server, React bootstarp, React routers V6, React HOC and many more.

JavaScript -2022: Website to display resumes from a JSON provided, with parsing through different resumes and search on a resume. We used HTML - TextBox, Divisions, Input tags CSS - Selectors JS - Array, event handling, functions, SetInterval, Query Selector, fetch API and many more.

HTML and CSS project -2022: A webpage for pharma products and design a form for lab tests. The users should be able to book slots for their lab tests with the form. This project was coded with Layout tags, form design, selectors, animation, class and Id styling.

Spring Rest API project - 2022: Rest APIs for a simple Employee CRUD with H2/ MySQL and Spring, Spring Boot, Hibernate.

Spring MVC, Hibernate -2022: Dynamic Web Project with Java, Spring MVC and Hibernate.

Java project for Java course -2018: A small learning puzzle application for children, coded with Java Swing.

Facebook Website 2013: Logging into website, creating an album, uploading a picture and through an

external website. Check the website

Indigostripes.com website -2014: Sample school project on Web dev.

Photo album website -2010: Used advanced website design techniques to complete this photo album .– browsing the website.

Recipe Management Project -2011: Worked with PHP5 and MySQL and develop a small management system for recipes.

WORK EXPERIENCE

Current: Currently, am working on an **Advanced Certification Course of 10 months**– **Java Full Stack.**

Course covered Java, Data Structures and Algorithms, DBMS-ORM, MySQL, JDBC, Hibernate, REST APIs, Front-end – JavaScript (JSON, AJAX, ES6), HTML, CSS and Cloud and DevOps as an elective. https://eportfolio.mygreatlearning.com/nandita-kb -Projects completed so far.

Senior Design Engineer

January 2006 - June 2008

GE Healthcare and GE Medical Systems | Bengaluru, Karnataka, India

Healthcare Services

• Understanding the requirement and interface provided by the clients.

• Responsible for design Message framework using Rational Rose

• Actively learnt HL7v 3.0 and developed a full – fedged component on HL7 (Health Level Standard).

• Developed a prototype using Java APIs like JAXP, JAXB, XMLSpy

• Tested the tools on application servers like Orion and Tomcat

• Upgraded from Axis Beta to Axis 1.4 on the Application Server and client.

• Integrated the authentication model of PACS to JAAS framework.

• Upgraded a system from Mergecom 2.6.6 to Mergecom 2.6.8

• Measured performance using Rational Purifier

• Used different test tools like MTH and OMVT provided by client to test the client.

• Developed test cases and subsequently unit testing of the modules implemented.

• Used ANT to rebuild code of xerces jar.

Centricity-2-Centricity Component: C2C is a component, which uses web services framework provided by Sun to send medical images or examination from one Centricity application to another.

Responsibilities / Achievements:

• Learnt about the vast client based applications and architecture of PACs through training and self-learning.

• Fixed subsequent number of bugs, sufficient to understand the product, domain and design of the sub system.

• Platform: Client – server model on Solaris and UNIX platforms. Java on J2EE and C used as languages.

Software Engineer

December 2003 - January 2006

Datacard softwares India Pvt Ltd | Bengaluru, Karnataka, India

Computer Software

Syntera: Syntera is a Card Issuance Application, enterprise software to create a repository and to print the secure cards at high speed. Syntera has numerous GUIs to help user customize data and the design of the card.Responsibilities / Achievements: Front–end developer of Performance critical IPS component.

• Designed and developed numerous GUI using Core Java, Swing.

• Efficiently re-factored the IPS component.

• Developed toggle between two windows using JNI.

• Dealt with major issues with Swing and multithreading.

• Created numerous prototypes.

• Effectively used Singleton, Observer design patterns to code.

• Successfully solved memory issues and performance issues.

• Participated in performance testing and analyzing performance of the IPS component.

• Measured performance using JPurifier.

• Effectively followed QSI rules for quality management.

Platform: Server- client model. Clients - OS2 system, Server – Windows 2000/2003 server. Syntera is distributed software – server client model that will deal with high performance and high volume of products – around 2 million cards in the database. Oracle supports as backend and CORBA deals with the interfacing. XML is also used to cache details when required.

Maxsys: Maxsys, like Syntera is also a Card Issuance System, but a stand-alone system. Responsibilities / Achievements: Front –end developer – individual contributor of Design Card Component.

• Core Java, Swing,internationalization of the application, Used XML as a cache for the intermittent data.
Platform: Java technologies on Windows platform, Core Java, Swing, XML, CORBA, DB2

Project Trainee

August 2002 - December 2003

Central Food Technological Research Institute (CFTRI) | Mysore, Karnataka, India -560100

Government and Military

• **Created web pages** with search option, some with frames and forms, some with database access, some with mail function incorporated to send email notification. Have created numerous web pages, which require designing and developmental skills.

• Maintained an Internet based **Library Management System** – developed with PHP and MySQL.

• Developed a network monitor system, which would monitor the systems for any network problems.

Platform**: Used PHP, HTML, JavaScript to develop and maintain some Web applications**. Actively used tools like Xara Webstyle 3, Photoshop and Flash for web designing. Web related files were hosted on UNIX platform.

Final Year project

February 2001 - June 2001

Union Pacific Corporation(US Company) | Offsite location - Mysore, Karnataka, India

Construction - Industrial Facilities and Infrastructure

The result of the project was digital certificates created for users in a company environment on a large scale.

• The project helped us to learn Java, Java Swing, Java Security API and the use of Public Key Encryption (PKI).

EDUCATION: Advanced Certificate in Full Stack Java : A+

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Object-Oriented Programming, DSA, Database Design and Systems, Server-side Development and Frameworks, Front-end Development – HTML, CSS, JavaScript, React-JS (Typescript), Linux Essentials, Cloud Foundations, Containers, DevOps, Terraform and AWS with Cloud-Formations

https://github.com/bharadwn/AllAssignments.git - code

Bachelor of Engineering (**Computer Science and Engineering**) | Mysore, Karnataka, India: **72%**

June 1997 - September 2001

Course in **Linux** (2021: A-)

Courses in **Java, Perl, JavaScript, HTML**, +Video Game Design and Graphic design (2009, 2010, 2012, 2021)

SKILLS

Java, Java Swing, Aws Cloud, Terraform, ReactJS, JSON Server, Hibernate, Spring MVC, Spring REST API, Microservices, HTML, CSS, JSON, DS & A, XML, Clearcase, WinCVS, PVCS Tracker, Rational Rose (UML), SQL, JavaScript, PHP, HTML, CSS, WSDL, EbXML, SOAP, Web Services, Windows, Linux, Unix, JAXB, JAXM, JNI, JAXP, Orion, Tomcat