

Venkatesh Ummadisingu

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Summary

Software developer with intermediate skill in Java, PL/SQL and AWS Services offering a proven ability to design, create, and maintain software applications based on customer needs.

Education

University of California Irvine

Master of Computer Science

Dec 2022

CGPA: 3.92

Relevant Coursework: Operating Systems, Data Structures, Algorithms, AI, Computer Security, Computer Architecture, Databases and Data Management, Parallel and Distributed Computing

National Institute of Technology Calicut

Bachelor of Technology in Electronics and Communication Engineering

Jun 2018

CGPA: 3.65

Technical Skills

Languages: Java, PL/SQL, Python, C, JavaScript, TypeScript, Dart

Databases/Data Cloud: Oracle, MongoDB, Snowflake, Firebase, PostgreSQL

Version control tools: SVN, Git

AWS Cloud: Lambda, CloudWatch, API Gateway, S3, EC2, IAM

Technologies/Frameworks: ReactJS, Flutter, Spring Boot, Linux, Maven, JUnit, utPLSQL, SonarQube, REST, Serverless, Jest

Work Experience

Autodesk

Jun 2022 – Sep 2022

Intern, Software Developer

Irvine, CA

- Modelled authenticated APIs to save and retrieve data using serverless framework, Typescript, MongoDB, and AWS Cloud services achieving 2x performance on query time.
- Crafted a log monitoring system by formatting the logs into JSON format providing better platform for issue analysis for 6 teams.
- Created queries for Datadog monitors to auto-report issues reducing the production issues by 20%.

Oracle Financial Services Software

Mar 2021 – Aug 2021

Staff Consultant

Bangalore, India

- Constructed migration strategy for Oracle Flexcube (Universal Banking Solution) to upgrade and synchronize legacy data with latest version using PL/SQL gaining 5x performance on execution time.
- Drove the DevOps (CI/CD) adoption process for periodic deployment and release to production improving code quality by more than 20%.

Oracle Financial Services Software

Jul 2018 – Feb 2021

Associate Consultant

Bangalore, India

- Developed customized banking features and webservices using Java, JavaScript, and PL/SQL with faster delivery to production following the Agile methodology for more than 4 projects.
- Reduced support tickets by 50% using testing frameworks like utPLSQL, Junit and SonarQube.
- Optimized the process of applying patches on Oracle Flexcube slashing the server downtime by 50%.
- Won the **Rising Star Award** for outstanding work in Oracle JAPAC Regional Projects in Sept 2020.

Academic Projects

Bill Share | [View Project](#)

- Developed a cross-platform (Web/Android/iOS) application using Flutter and Firebase to share and manage bills with friends. Used Firebase Authentication API to authenticate the users.
- Equipped the app with core features like enabling bill sharing with groups/friends, timely notifications to remind the user to settle the expense with their friends and overall statistics of the expenses.

Itinerary Planner | [View Project](#)

- Built a REST API using Spring Boot which takes destination and duration of itinerary as input and returns an itinerary of places based on open hours, time taken to travel and user ratings of the places.

Sentiment Analysis of Amazon Food Reviews | [View Project](#)

- Pre-processed 500K reviews employing Stemming and Lemmatization to clean and structure data.
- Utilized models such as Logistic Regression, XgBoost, Naïve Bayes, LSTM neural network to train and compared performance. Achieved accuracy of 93% and F1 Score of 0.93 with a run time of 10 minutes.

IoT Project on Smart Farming | [View Project](#)

- Implemented an algorithm to suggest an irrigation plan for different crops based on cloud analytics.
- Secured **1st prize** in IoT Challenge 2016 under supervision of i3indya technologies in IIT Bombay.