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Experience

Postgrad Tutor, University College Cork – Cork, Ireland

SEP 2024 – Present

- Involved in the course IS61X5, Database Analysis and Design, instructing students in advanced database management concepts, SQL practices, and relational models through practical exercises and assessments.
- Designed and developed course materials, including quizzes, assignments, and lecture notes, strengthening student understanding of data-driven technologies and database applications.

Member of Technical Staff, Oracle Cerner – Bengaluru, India

OCT 2021 – AUG 2024

- Managed spikes, stories, and defects for the Lab-sequence product, assessing system interactions to ensure seamless integration of APIs and design changes for new feature implementation.
- Addressed 200+ HP-Fortify vulnerabilities, enhancing overall code quality by 30% and boosting system security and efficiency.
- Designed and implemented the Visit List Filter Queue feature, improving the prioritisation of patient encounters by appointment dates and emergencies, and integrated the feature into Lab-Sequence.
- Migrated APIs from synchronous to asynchronous using Spring Reactive Programming, optimizing system performance by 50%, with deployments managed through Jenkins pipelines for continuous integration and delivery.
- Conducted unit testing with 80%+ code coverage using Junit and Mockito, contributing to product reliability, and participated in internal and external code reviews.
- Delivered optimized APIs to fetch EHR data for Cerner Millennium, resulting in a 30% increase in order processing efficiency.
- Documented REST APIs using Swagger, streamlining API clarity and standardisation for stakeholders.
- Improved SQL query performance by 2x through automation of repetitive tasks and the creation of optimized stored procedures.
- Led the migration of table cleanup jobs using a Java-based scheduler, refining data management and system performance.

Programmer Analyst, Cognizant – Hyderabad, India

AUG 2020 – OCT 2021

- Developed core-buy flow pages for an E-commerce web application using Kibo, elevating customer experience and application performance.
- Optimized existing codebases using HTML, CSS, and JavaScript, ensuring compliance with industry standards, while collaborating with cross-functional teams to deliver seamless UI/UX features.

Technical Skills

- Languages:** Java, JavaScript, Python
- Databases:** MySQL, MongoDB
- Frameworks:** Spring, Spring Boot, ReactJs
- Knowledge In:** Maven, Spring Security, Jpa, Splunk, Swagger, Hibernate, Microservices, Docker, Json, Rest Api, Xml, Html, CSS, SASS, Agile, Bootstrap, AWS
- Other Tools:** Microsoft Excel, PowerBI, Tableau, Git, GitLab, Svn, Jira, Putty, HP-Fortify, ServiceNow, Jenkins, Postman, IntelliJ, Visual Studio, PyCharm, Tomcat, Spinnaker, Kubernetes, MS-Office

Projects

- Music Genre Classification** | Python, Machine Learning
Created a machine learning model to predict song genres and enrich audio quality for improved output.
- Streamlining Campus Dining** | Java, Spring Boot, RestApi, ReactJs
A website for students to register, block tables, and pre-book meals. (display items & prices, Add to cart option)

Achievements/Competencies

- Recognized as "**Star of the Quarter**" at Oracle Cerner for excellent performance and project delivery.
- Recipient of the National Scholarship Scheme and subject topper in Mathematics for Cyber Security.

Education

University College Cork, Ireland (Master's in Business Analytics)

SEP 2025

Sastra University, Tamil Nadu, India (Bachelors in Electronics & Communication Engineering) – First class

MAY 2020

Tirumala Junior College, Andhra Pradesh, India (12th Standard) – 984/1000

MAY 2016

Sri Chaitanya Techno School, Andhra Pradesh, India (10th Standard) – 9.8/10 CGPA

MAY 2014