VISHNU PRIYA RAJENDRAN

Tacoma, WA

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Education

University Of Washington — **Sep 2023 – Dec 2024**
Master's in Computer Science and Systems — *Tacoma, WA*

Sri Ramakrishna Institute of Technology - Anna University — **Jun 2015 – Apr 2019**
Bachelor of Engineering, Electronics, and Communications Engineering — *Coimbatore, India*

Technical Skills

Languages: Java | Python | JavaScript | SQL | HTML/CSS | C# | C | C++
Databases: MS SQL Server | MySQL | PostgreSQL
Frameworks/Technologies: React | Power BI | ASP.Net | AWS | AngularJS | Git | JIRA | Supabase
Operating Systems: Windows | Linux
Course Work: Advanced Algorithms | Cloud Computing | Applied Distributed Systems | Database Design

Experience

University of Washington — **Oct 2023 – Present**
Database Specialist — *Tacoma, Washington*

- Designing a relational database in **MySQL**, enhancing query performance using indexes.
- Using **Pandas** to cleanup the existing dataset and export it into MySQL.
- Developing a CRUD application for the Office of Community Partnership utilizing **NextJS.**
- Creating a comprehensive documentation on database procedures, guidelines, and best practices for future development.

Hitachi Energy — **Oct 2021 – Apr 2022**
Software Engineer — *Chennai, India*

- Upgraded a website that enables businesses to easily select and order products with **AngularJS**.
- Led the effort on developing Finance reports using **Power BI** for presentation to the leadership for quarterly reviews.
- Optimized report performance by aggregating and filtering data in views built on top of MySQL tables.
- Designed a dynamic search filter menu using **AJAX control tool kits** that improved the search performance by 25%.
- Collaborated with team using version control systems such as **Git and JIRA** to organize sprints and assign tasks.

LTIMindtree — **Aug 2019 – Oct 2021**
Software Engineer — *Chennai, India*

- Led **Release and Change Management** processes, coordinating schedules and ensuring successful deployments.
- Created **Jenkins** automation tools, reducing manual errors by 15% in release and deployment processes.
- Managed Siemens **ASP.Net** web application, implemented email notification services for the status of turbines.
- Developed **SSRS** reports to summarize the specifications, location, and condition of Gamesa turbines.
- Setup Umbraco Content Management System to manage product description and images for the internal application.

Projects

Data Pipeline | *AWS Lambda, AWS RDS, MySQL, Python* — **Nov 2023 – Dec 2023**

- Developed a data pipeline that extracts SpaceX API, executes Python Lambda function, and loads into **RDS MySQL**.
- Transformed the data using **Pandas** and queried and tested the performance using the PyMySQL package.
- Explored the pipeline implementations in Aurora vs. RDS MySQL, ensuring functionality parity and assessing performance and cost impacts.

Luxury Cab Service | *React Native, NextJS, PostgreSQL, Supabase* — **Nov 2023 – Present**

- Establishing a Cross-platform **React Native** app for booking and managing luxury cabs.
- Creating an Admin Dashboard with NextJS for managing drivers/cars data in a **PostgreSQL** DB through **Supabase**.
- Implementing authentication using **Clerk** and configuring location and notification permissions for iOS and Android.
- Demo link : luxury-cab-service

My Recipes | *ReactJS, Azure Cloud, PostgreSQL* — **Dec 2023 – Present**

- Founded a responsive multi-Cuisine recipe website developed with **ReactJS** and **PostgreSQL**.
- Deployed the website in Azure Cloud with **Elasticsearch** to find recipes with keywords.
- Created an UI with Lazy loading images, and a responsive navigation bar using **Material UI**.

Leadership / Extracurricular

- Honored as **"The Best Project Team"** (2019) by LTIMindtree for designing a responsive gaming website.
- **Finalist** in TECHgium - 2019, an open innovation competition conducted by L&T Technology Services, India.
- **Quarter Finalist** in DST & Texas Instruments - 2017, a nationwide innovation contest in India.