

Dayan Dias

Jersey City, NJ 07302 | 929-288-6725 | dayandias20@gmail.com | www.linkedin.com/in/dayan-dias

PROFILE

Computer Science graduate with 4+ years of experience in an array of programming technologies. Values good coding practices and rely on implementing reusable, efficient and elegant code. Proven track record in developing scalable full-stack applications using Angular/React, Spring Boot and cloud platforms (Azure/AWS), delivering secure and high-performance software solutions.

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Computer Science

September 2019 - May 2021

GPA: 3.90

TECHNICAL SKILLS

Java Technologies: Java / Spring Boot / Hibernate / RestAPIs / MVC / Microservices

Web Technologies: Angular / ReactTS / HTML5 / CSS3 / JavaScript / TypeScript

SQL and NoSQL Databases: MySQL / MS SQL Server / Postgres SQL / Oracle / MongoDB

Cloud Platforms: Azure / AWS / Salesforce / ZohoOne / SharePoint

WORK EXPERIENCE

United Nations Development Program (UNDP)

New York, USA

Software Engineer (Consultant)

November 2024 – May 2025

- **Developed “Future Trends and Signals System” app using React.TS** to capture signals and identify emerging global trends, enabling stakeholders to make proactive and informed decisions reducing the decision-making time by 50%.
- **Integrated JWT-based authentication using Microsoft Azure Entra and implemented role-based access control (RBAC)** for signal scanners, curators and admins to improve overall system security by 40% and operational clarity by 75%.
- **Integrated NEWS API and Pexel image rendering**, to auto complete required details for new signals and suggest related images based on the headline. Resulted in reducing new signal add time by 60% - 90%.
- **Developed rich data visualization using D3 libraries** and streamlined the codebase with Lodash. Increased insights discovery efficiency by 40% and optimized array/object manipulation by 15%.
- **Developed the front-end of “Land Ledger” React.Ts app** to help securely store, identify and verify landownership of individuals affected by natural disasters in Lagazpi, Philippines. Resulted in establishing an efficient and robust system to validate land claims with limited documentation.
- **Hosted apps on Azure Static Web Apps**, ensuring reliable access, high availability and simplified CI/CD integrations, with automated CI/CD tests enforced on the Git production branch to maintain code quality and deployment stability.

Premier Aesthetix Installation and Construction

Texas, USA

Software Engineer

September 2022 – May 2024

- **Developed a secure customer portal using Angular**, enabling customers to log in and access personalized usage information dashboards. Implemented intuitive UI/UX design, designed reusable components and integrated RESTful APIs using HttpClient for efficient data retrieval. Achieved a 67% reduction in customer calls to the call center requesting the same information.
- **Developed a robust backend using Spring Boot and MVC architecture** to handle the API calls from the frontend. Ensured smooth, robust and secure communication channel between the Angular application and the server. Subsequently improved response time by 40% and overall system reliability by 30%.
- **Designed and implemented database schemas in MS SQL Server**, developed and optimized stored procedures and ensured data integrity. Used JPA, Hibernate and JPQL to facilitate data access, mapping and persistence, developing a robust and scalable data access infrastructure. Increased data retrieval efficiency by 45% while maintaining data integrity and security.
- **Designed and implemented comprehensive unit testing strategies for each Angular component using Jasmine and Karma**, ensuring code quality. Achieved 90% test coverage, significantly reducing the occurrence of bugs in production by 35%.
- **Deployed the customer portal on Azure Static Web Apps and deployed the backend on Azure SQL Database**, ensuring high availability, secure data management and scalable architecture for future growth.
- **Transformed the company’s official website, originally built using HTML, CSS and JS, into a modern and dynamic platform using Angular** for a better UI/UX. Demonstrated expertise in developing reusable and modular Angular components, significantly enhancing code efficiency, maintainability and readability. Resulted in an increase of website visitors by 78%.

Infosys

New York, USA

Backend Engineer

March 2022 – September 2022

- **Developed dashboards for “USDLY Ops Central Platform” web app employing microservices architecture** with Spring Boot, Hibernate and MS SQL Server. Developed business and persistence layer components to ensure modularization and autonomy of each microservice. Managed source control via Git and integrated microservices into CI/CD pipelines for smooth deployment.
- **Architected and implemented RESTful APIs**, adhering to microservices principles, to enhance the scalability and maintainability of the web app. Implemented caching strategies to store frequently accessed data to reduce burden of re-fetching.
- **Orchestrated the design and execution of the microservices-oriented database schema**, executing CRUD operations in MS SQL Server for backend. Innovatively crafted reusable SQL and JPA queries, resulting in a 30% efficiency in result generation.
- **Implemented unit testing strategies for all microservice components**, ensuring code quality, reliability, and reducing production bugs by 60%.