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

- **Self-learnt Salesforce and led the transition** from ZohoOne CRM to Salesforce within 6 months, demonstrating adaptability and strategic planning in transitioning between cloud platforms. Identified, analyzed and enhanced complex business processes, by developing Apex triggers, classes, controllers and Flows to automate and streamline operations. Resulted in a 60% decrease in manual effort and processing time.
- **Partnered with senior management** to capture business needs, pain points and system requirements; delivered 15+ user training sessions to drive adoption, transparency and confidence during the transition. Resulted in quick user adaptation.
- **Developed Lightning Components, Visualforce pages and Apex triggers/classes** to automate complex business processes (record update, validation, relationship re-parenting) and enforce business rules, resulting in a 60% reduction in manual effort.
- **Collaborated with internal and external development teams** to integrate Salesforce with third-party systems (payment gateways, e-commerce platforms, field management systems, ERP) using REST/SOAP APIs, ensuring data synchronization and accurate record linkage.
- **Transformed the company's official website,** originally built using HTML, CSS and JS, into a modern and dynamic platform using ReactJS for a better UI/UX. Demonstrated expertise in developing reusable and modular React components, significantly enhancing code efficiency, maintainability and readability. Resulted in an increase of website visitors by 78%.
- **Developed a secure customer portal using ReactTS**, enabling customers to log in and access personalized usage information dashboards. Implemented intuitive UI/UX design, designed reusable components and integrated RESTful APIs using Axios for efficient data retrieval. Achieved 67% reduction in customer calls to 'Call Center' requesting same information.
- **Developed a robust backend using SpringBoot and MVC architecture** to handle the API calls from the frontend. This architecture ensured a smooth, robust and secure communication channel between the React application and the server. Subsequently Improved response time by 40% and overall system reliability by 30%.
- **Designed and implemented database schemas**, optimized query performance and ensured data integrity. Used JPA, Hibernate and JPQL to facilitate data access, mapping and persistence, to develop a robust and scalable data access infrastructure. Increased data retrieval efficiency by 45%.
- **Designed and implemented comprehensive unit testing strategies** for each React component using frameworks like Jest and React Testing Library, ensuring code quality, functionality, and robustness. Achieved 90% test coverage, significantly reducing the occurrence of bugs in production by 35%.

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.