ARIEL JAY FUENTES

+32493830220 | arjay630@gmail.com

CAREER OBJECTIVE

Dynamic and results-driven Full Stack Developer with years of hands-on experience designing, developing, and modernizing scalable web applications across diverse industries. Adept at end-to-end development, with expertise in both frontend and backend systems, and a proven track record of migrating legacy platforms and building applications from the ground up to improve scalability, performance, and user engagement. Passionate about solving complex challenges and delivering user-centric experiences through clean, maintainable code.

Highly adaptable with a strong inclination to continuously learn and enhance skills, I thrive in both team-driven and self-directed environments. Skilled at translating ideas into robust, scalable solutions, I aim to collaborate with forward-thinking teams to solve problems innovatively while expanding expertise in emerging software practices.

SUMMARY

Backend Technologies	• Java Core, J2EE, Spring Framework, Spring Boot, JSP, JPA, Hibernate
Microservices & Cloud Architecture	• Microservices Architecture, Spring Cloud, Service Discovery, Config Server, API Gateway
Security & Authentication	• Spring Security, OAuth2, JWT (JSON Web Tokens)
Front-End / Web Technologies	• Angular, JavaScript, TypeScript, HTML5/CSS
UI Libraries & Visualization	• Bootstrap, PrimeNG, Tailwind CSS, Angular Material • FullCalendar, ChartJS
DevOps & Containerization	• Docker, Docker Swarm, Kubernetes
Cloud & Infrastructure	• AWS (EC2, S3, RDS, EKS)
CI/CD & Application Servers	• Jenkins, Apache Tomcat
Messaging & Streaming	• Apache Kafka
Email & Notifications	• SMTP, Mailjet
Build Tools	• Gradle, Maven
Databases (DBMS)	• MySQL, PostgreSQL, MSSQL, Oracle
Testing & Documentation	• JUnit, Mockito, Postman, Swagger
IDEs	• IntelliJ IDEA, Eclipse, Visual Studio Code
Source Control	• Git, GitHub, GitLab
Mobile Platforms	• Flutter, React Native
Project Management	• Jira
Development Methodology	• Agile

WORK EXPERIENCE

FULL STACK SOFTWARE DEVELOPER
Self-Employed (December 2024 – May 2025)

Projects and Applications Involved:

Miyembro– (Organization, Membership and Event System) *(Project)* – A platform that allows users to join multiple organizations, participate in events, and receive automated email notifications. Organizations can manage membership, create events, and track member engagement.

- Solely responsible for the end-to-end delivery of the application, including system architecture, database design, development, deployment, and CI/CD pipeline setup.

- Designed scalable microservices architecture using Spring Boot, Spring Cloud, and integrated services like Spring Cloud Config, Eureka, and API Gateway for secure routing and orchestration.
- Developed RESTful APIs in Java 21 with Spring Boot and Spring Data JPA, implementing pagination and sorting for large datasets.
- Designed relational and NoSQL database schemas with PostgreSQL 16 and MongoDB, managing migrations with Flyway.
- Implemented user-role-based authentication with Spring Security and JWT, integrating Google OAuth for seamless sign-in.
- Developed event-driven workflows using Apache Kafka for real-time inter-microservice communication; monitored with Kafdrop.
- Automated email notifications using MailJet API and Spring Boot Thymeleaf for dynamic, templated messaging.
- Containerized and orchestrated microservices with Docker and Kubernetes on AWS EKS for scalable deployment.
- Created CI/CD pipelines using Jenkins for automated build and deployment processes.
- Deployed on AWS using EC2 for compute, S3 for storage, and RDS for managed databases.
- Set up distributed tracing and monitoring with Zipkin to identify performance bottlenecks.
- Adhered to coding standards and best practices across backend and frontend codebases.
- Implemented data export functionality with Apache POI for Excel downloads of event summaries and member lists.
- Wrote unit tests with Mockito to ensure backend service reliability.
- Configured custom domain with AWS Route 53 and Namecheap, routing traffic to services like Jenkins and Zipkin.
- Built dynamic Angular 19 SPA using core/module/shared architecture, with reusable components and optimized performance.
- Integrated security and performance optimizations in the frontend, including session handling and secure API communication.
- Set up Nginx for traffic routing, security, and performance across subdomains, adding SSL/TLS certificates for HTTPS support.

FULL STACK SOFTWARE DEVELOPER
SPRK Industries Inc. (March 2022 – June 2022)

Projects and Applications Involved:

HomeAppter – (Property Showing Management) (Project) – A platform for real estate agents to book and manage property showings.
- Responsible for front-end development using Angular, from project setup to full UI implementation.
- Designed and built reusable Angular components, directives, and pipes to ensure modularity and maintainability.
- Customized PrimeNG components and PrimeFlex styling to deliver a responsive, user-friendly interface.
- Developed a custom calendar view using FullCalendar to manage showing schedules dynamically.
- Used Chart.js to create interactive visualizations for tracking listing and appointment metrics.
- Collaborated with the back-end lead to define and integrate API endpoints supporting search, listing creation, and appointment management.
- Developed listing microservice API endpoints for creating and retrieving property listings.
- Wrote database queries for data validation and accuracy.
- Participated in AWS EC2 deployment by configuring and setting up the Angular app's server environment.

FULL STACK SOFTWARE DEVELOPER
RJB Technology Inc, Makati City, Philippines (July 2020 – November 2021)

Projects and Applications Involved:

Cyberboss – Casino Management System (Front-end Project Rewrite) – a system that manage transactions, players and games done in an online casino.
- Migrated the old application written in Flash ActionScript to Angular 9. Created new pages in Angular 9 based on the old application's functionalities.
- Analyzed the code of the old application and rewrote it in Angular 9, applying the latest standards and functionalities of Angular 9, TypeScript, and SCSS.
- Applied PrimeNG components and styling in creating new Angular components and pages.
- Debugged the backend of the old application written in Java to fix errors and update functionalities.
- Updated stored procedures used in the back end based on requirements.

OPO – (Project) – an employee management system that extracts worklog data from JIRA and then provide reporting. The system also tracked holidays, leaves and billable hours.
- Created different Angular pages and endpoints needed for those pages in Spring Boot.
- Applied PrimeNG components and styling in creating new Angular components and pages.
- Helped inexperienced co-developers set up their back-end workspace and assisted them with everything related to Spring Boot and Java.
- Set up authentication using Spring Security.
- Collaborated with the Front-end Lead regarding front-end and back-end integration.
- Collaborated with the Technical Lead in designing and setting up the back end.

SOFTWARE DEVELOPER
UST GLOBAL, McKinley Hill, Philippines (January 2017– July 2020)

- Analyze application's code and processes, and rewrite code using latest technologies and frameworks.
- End to end application development using different technologies and frameworks (Java, Typescript, JavaScript, Angular 2, Spring Boot and JSP).
- Fix bugs and errors of existing application and provide a solution by writing codes that follow application's requirements.
- Perform unit tests and apply coding standards in coding.

Projects and Applications Involved:

Assortment - Retail Forecasting System (Project Rewrite) – Application that decides which products to be placed in a shelf or planogram and its corresponding count based on the item's size. It decides which among the products should have a higher number to display based on the products' sales history . Converting the application to Spring boot and upgrading the technologies used for both front-end and back-end.
- Rewriting codes written in Flash ActionScript to Angular 2. Applying the latest front-end technologies (CSS3, HTML5, Bootstrap 3, Typescript and Angular 2).
- Perform unit tests and applying coding standards in coding
- Rewrite codes written Java 5 codes into Java 8.

Refund Management System (Application Upgrade)– Application used for profit loss prevention. It tracks refund transactions done in stores and process the data history accordingly for customer frequency and amounts exceeding thresholds.
- Rewrite of JSP and apply new web technologies in using CSS3, Bootstrap3, HTML and JavaScript.
- Rewrite Java 5 codes into Java 8

Assortment - Retail Forecasting System (Project Enhancement)

- Fix bugs and errors of existing application and provide a solution by writing codes that follows application's requirements.
- Involved in end to end development of new modules or pages based on client's new requirements.
- Perform unit tests and applying coding standards in coding.
- Involved in project's Scrum Ceremonies, Daily update, Sprint's user stories estimation and Sprint review.

Formulate - (Project) – Application used in creating recipe by choosing what ingredients needed for a medicine.
- Involved in end to end development of modules for the application. Develop user Interface in Angular 5 and Back-end Development in OpenJDK 11.
- Perform unit tests and applying coding standards in coding.
- Deploy latest code to application server.
- Integration of hardware such as fingerprint scanner to the application.

Assortment - Retail Forecasting System (Angular Front-End Upgrade)
- Upgrade application's front-end version from Angular 2 to Angular 7.
- Applying new and updated libraries to the application.
- Fixing existing bugs and defects of the application.

Timesheet Management System (Internal Project) – application for managing timesheet records of employees.
- Involved in end to end development of modules for the application.
- Develop user Interface in Angular 8 and Back-end Development in OpenJDK 11.

TECHNICIAN
HGST Philippines, Binan, Laguna (March 2010 – April 2016)

- Analyze, troubleshoot, repair of machines errors and issues used in production.
- Calibration of measurement tools.
- Perform preventive maintenance of machines and tools.

EDUCATIONAL BACKGROUND

Bachelor of Science in Computer Engineering
University of Batangas -   Batangas City
Graduated Cum Laude

Electrical Technology
MFI Technological Institute -   Ortigas, Pasig City
Graduated Cum Laude. Outstanding student award for being a consistent Dean's Lister from first year to last school year.

OTHERS

Developer of the Year Awardee
(December 4, 2018) Trivandrum India

- Awarded developer of the year during the company's annual technology conference held in India.

Angular Bootcamp Trainer
(May 2018 and March 2019)
UST Global Philippines

- provided Angular training for Alpha- newly hired developers (Batch 2018 and 2019).