

# NIELS UCHPA SALVADOR

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Backend Engineer specialized in Node.js, Nest.js, and TypeScript, with experience in microservices architectures and REST APIs. Expert in deployments using AWS Cloud, Docker, and Serverless Framework, applying DDD and CI/CD best practices. Focused on optimizing system scalability and performance, delivering secure and high-impact solutions in collaborative environments.

## WORK EXPERIENCE

### NEARSHORE PERU, (SOFTTEK)

Global leader in digital solutions and pioneer of the Nearshore model, supporting Global 2000 companies across more than 20 countries.

#### *Backend Developer – Technology Area*

2024 - 2025

Responsible for developing, designing, and configuring RESTful API services, deployed within a Domain-Driven Design (DDD) architecture using technologies such as AWS Lambda, Step Functions, Serverless Framework, TypeScript, Nest.js, DynamoDB, MySQL, and Oracle.

- Optimized system architecture by migrating from a layered design to Domain-Driven Design (DDD), improving modularity, scalability, and code clarity.
- Migrated JavaScript services to TypeScript using Nest.js, enabling more robust development through static typing and improved service structure.
- Optimized the migration of AWS Lambda functions to Step Functions, implementing an event-driven architecture using the Serverless Framework.
- Contributed to the **REL Salud** project, modernizing guarantee letter and audit management by decommissioning legacy modules and migrating functionality to web portals, enhancing scalability and performance through microservices.
- Participated in **Core Modernization**, migrating on-premise systems to OCI, modernizing Lambda functions, and updating database connections to improve scalability, performance, and overall system efficiency.

### CORPORACIÓN EDUCATIVA PAMER, (PAMER)

Provides quality education, comprehensive training, and values development to students in order to create successful leaders. Seeks to improve the experience in the learning process.

#### *Backend Developer – Digital Business Area*

2023

Responsible for developing, designing, and configuring REST API services, deployed in a Microservices Architecture context using AWS and tools such as Lambda, TypeScript, Nest.js, PostgreSQL, and MySQL.

- Development of a web platform for enrollments in schools and academies, streamlining registrations and providing comfort, accuracy, and efficiency in student management.
- Development of a Question Bank web platform to store, organize, and manage questions with efficient reuse in educational evaluations and exams.
- Development of the Pamer Admin web to efficiently manage various aspects of online platforms, simplifying process supervision and control.
- Communicate and organize product/project progress in coordination with technical leaders.

## COMPAÑÍA INCUBADORA DE SOLUCIONES MOVILES, (CULQI)

Peruvian company, part of the Credicorp Group, which seeks to break traditional payment barriers to allow more businesses to discover a new world of possibilities.

### *QA Automation – Technology Area*

2022

Responsible for automating end-to-end applications, providing visibility into the real quality of products, ensuring they are always above quality standards. Using tools such as Cypress, Cucumber, Postman, MongoDB, and MySQL.

- Responsible for converting test plans and test cases into automated tests that can be executed manually or automatically.
- Implement end-to-end tests that cover more than one system, both from another system's perspective and from a user's perspective.
- Coordinate communication and testing activities with the QA Lead and technical staff.

## HUB DE ESPECIALISTAS DIGITALES, (GROWBY)

Teams of specialists from Latin America that develop design, technology, marketing, and innovation projects for startups, ventures, and TOP companies in the region.

### *Backend Developer – Software Production Area*

2021

Responsible for developing, designing, and configuring REST API services, deployed in a Microservices Architecture context using Docker containers and tools such as Node.js, Express, and MongoDB.

- Implementation of a document processing system, achieving time and resource savings, shortening distances, and accelerating processes.
- Manage the development of functionalities to simplify and/or automate the software development process.

## EDUCATION

### *CODIGO BY TECSUP*

- Full stack web development, 2021

### UNIVERSIDAD INCA GARCILASO DE LA VEGA

- Systems Engineering, 2010–2015

## TECHNICAL SKILLS

- Languages: Node.js, TypeScript, JavaScript, SQL, Visual Basic.
- Frameworks and Libraries: Nest.js, Express, React, Angular, Bootstrap, Serverless Framework.
- Cloud: AWS (Lambda, API Gateway, RDS, S3, DynamoDB, SQS, IAM, Systems Manager).
- DevOps: Docker, Jenkins.
- Databases: MySQL, PostgreSQL, MongoDB, Oracle.
- Testing: Cypress, Cucumber, Jest, Postman.
- Project & IT Management: IT Projects, Software Engineering, Networks.

## OTHER

- Interests: Computer repair and maintenance, futsal.