

Octavio Chong

Zapopan, Jalisco, Mexico • +52 33 2529 1841 • octavio.chonghdz@gmail.com • github.com/FakeMoradin2 •
linkedin.com/in/octavio-chong-902ba4308

Education

Universidad Tecnológica de Jalisco (UTJ)

Zapopan, Mexico

Bachelor's Degree in Software Development Engineering

Expected Graduation: 2027

Relevant Coursework: Software Engineering, Object-Oriented Programming, Database Systems, Web Development, Software Architecture, Systems Analysis, Data Structures, Algorithms, Requirements Engineering.

Certifications

Secretaría de Educación Pública (SEP) — Full Stack Developer Certification

Secretaría de Educación Pública (SEP) — Project Development Methodology Certification

Experience

Secretaría de Salud – ICD-11 Healthcare Integration Project

Mexico

Frontend Developer | Angular — Professional Internship (Estadía)

2026 – Present

- Built Angular + TypeScript interfaces for disease classification and clinical data consultation based on ICD-11 international standards, enabling structured search across thousands of diagnostic codes.
- Developed reusable form components with reactive validation, reducing data-entry errors in healthcare digitalization workflows.
- Integrated REST API endpoints connecting frontend modules to backend healthcare data services, supporting medical information management for government health initiatives.
- Participated in frontend architecture decisions, code reviews, and UX improvement sprints within a multidisciplinary government software team.

MyAgClock

Guadalajara, Mexico

Backend Developer — Paid Engagement

2025 – 2026

- Collaborated in a 3-developer team building a comprehensive HR and field operations platform for agricultural businesses managing crews, mayordomos, and farm workers across U.S. operations.
- Implemented backend modules for crew scheduling, shift monitoring, and hierarchical staff management (operators, crew leads, farm managers) using Java and Spring Boot.
- Developed PDF and Excel export features for payroll and operational reports, enabling farm managers to generate compliance-ready documentation directly from the platform.
- Improved system reliability through structured exception handling and input validation layers, supporting migration of backend services to cloud infrastructure.
- Delivered new features iteratively in a production environment, collaborating across backend and frontend teams to meet operational requirements.

SaaS Reservation & Business Management Platform

Guadalajara, Mexico

Backend Engineer — Paid Engagement

2026

- Designed and built a multi-tenant SaaS backend supporting 2–5 independent businesses on a shared platform, each with isolated data, staff, and service configurations.

- Developed RESTful APIs for reservation lifecycle management: creation, availability validation, cancellation, and payment processing — handling concurrent bookings across multiple business accounts.
- Designed normalized relational database schema in PostgreSQL modeling customers, staff roles, services, time slots, reservations, and payment records.
- Implemented business rule engine automating appointment scheduling, availability windows, and conflict detection, reducing manual coordination overhead for business operators.

Biometric Loan Verification System

Guadalajara, Mexico

Software Developer — Paid Engagement (Transportation Company)

2025

- Delivered a biometric identity verification system deployed in a transportation company managing ~300 operators across 4 yards, used for loan approval and access control processes.
- Integrated fingerprint reader hardware via SDK, implementing enrollment, template storage, and real-time 1:N biometric matching for operator identity verification.
- Developed secure registration and authentication workflows with validation logic to prevent duplicate enrollments and unauthorized loan approvals.
- Produced a fully functional solution adopted in a live commercial environment, supporting daily operations across all 4 operational yards.

Financial Tracker Desktop Application

Mexico

Software Engineer — Personal Project

2026 – Present

- Designed and built a personal finance management desktop app in Java and JavaFX using MVC architecture, featuring transaction tracking, expense categorization, budget limits, and period-based reporting.
- Designed SQL schema and persistence layer handling financial records with category tagging, date filtering, and aggregation queries for dashboard metrics.
- Applied OOP design patterns (Repository, Observer) to decouple data, business logic, and UI layers, enabling clean extensibility for future modules.

CRM Administrative Platform

Guadalajara, Mexico

Java Developer — Personal Project

2025

- Built a desktop CRM in Java and JavaFX implementing customer lifecycle management, operational tracking, and administrative workflow modules with MVC architecture.
- Designed SQL-based persistence layer with relational models for customers, interactions, and task assignments, supporting data filtering and search across records.

E-Commerce Platform

Guadalajara, Mexico

Backend Developer — Personal Project

2025

- Developed backend services in Node.js and Express.js covering product catalog management, inventory, order processing, JWT-based authentication, and role-based access control.
- Designed RESTful API with documented endpoints and relational database schema supporting product variants, user accounts, and order history.

Leadership & Activities

PanComido

Chihuahua, Mexico

Founder & Software Developer

2025

- Founded and led development of a restaurant waitlist digitization startup, building customer registration, SMS/notification queue management, and real-time waitlist tracking features.
- Conducted customer discovery interviews, validated the business model, and designed the operational workflow from first principles.

- Presented the project before an innovation-focused audience at Tecnológico de Monterrey, Chihuahua Campus, receiving feedback from academic and entrepreneurship panels.

Freelance Software Development

Mexico

Backend Developer & Product Builder

2025 – Present

- Independently scoped, designed, and delivered software solutions for clients across reservations, CRM, finance, and biometric verification domains.
- Managed full project lifecycle: requirements gathering, database design, API development, and deployment — working directly with business stakeholders.

Skills & Interests

Technical: Java, JavaScript, TypeScript, SQL; Angular, React.js, Next.js, HTML5, CSS3; Spring Boot, Node.js, Express.js, REST APIs, JWT, Backend Architecture; JavaFX, MVC, Design Patterns (Repository, Observer); PostgreSQL, MySQL, SQL Server, Supabase; OOP, Software Architecture, Agile; Git, GitHub, Postman, IntelliJ IDEA, VS Code, Maven, NPM

Language: Spanish — Native; English — Professional Working Proficiency (B1-B2)

Interests: Backend Engineering, Software Architecture, SaaS Development, Startup Building, Business Process Automation, AI Applications, Financial Technology