Micaela Leiva

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Education

Universidad de Alcalá (UAH), Madrid, ES – *M.S. Software & Web Development*
OCTOBER 2024 - EXPECTED JULY 2026

University of Florida, Gainesville, FL – *B.S. in Telecommunications*
AUGUST 2020 - MAY 2024

Experience

FEBRUARY 2025 - JULY 2025
Movie List Full-Stack Application Development — React/Spring Boot/MySQL
- Designed REST APIs (Spring Boot, JPA/MySQL) and integrated them into a React SPA, delivering validated data flows and clear error handling that meet performance; implemented secure admin login and role-based access control with protected routes.
- Practiced Scrum with Jira and Git workflows as well as added JUnit & Postman tests to raise reliability and maintainability.
- Structured routes/components for clean API integration and easier multi-platform troubleshooting.

FEBRUARY 2025 - APRIL 2025
K8s Microservices Platform - Cloud & Backend
- Deployed three Spring Boot REST microservices behind an API Gateway on Kubernetes; enforced request validation and versioned endpoints for safe client rollouts.
- Implemented canary releases with Istio and auto-rollback; added dashboards/alerts to improve incident recovery during drills.

OCTOBER 2024 - FEBRUARY 2025
Hybrid Web/Mobile Developer — Cross-platform React/Ionic App (Next.js, TypeScript)
- Shipped a cross-platform tip calculator with Next.js, React, TypeScript and Ionic from a single codebase (mobile & desktop).
- Built modular TSX components and hook-based state for totals, per-person split, and tips; structured for future REST API integration.
- Operationalized with dev/build/start scripts, .gitignore, and Git/GitHub, ready for code reviews and CI/CD.

OCTOBER 2024 - FEBRUARY 2025
CI/CD Pipeline to Azure - DevOps & Quality
- Github Actions pipeline with build/test, SonarQube gates, Snyk scans, deploy to Azure App Service.
- Postman smoke tests, branch protections, and release automations.

Skills

- **Languages:** Java/Spring Boot, JavaScript/TypeScript/React/Angular/Ionic, SQL, HTML/CSS
- **Testing & Quality:** JUnit, integration tests, Postman; SonarQube, Snyk
- **DevOps & Cloud:** Git/GitHub, GitHub Actions (CI/CD), Docker; Azure App Service; Kubernetes, Istio
- **Data:** SQL/MySQL (schema design, queries)
- **Process:** Agile/Scrum (Jira); OOP & design patterns (SOLID)