

ROSA REYES

Software Engineer

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EXPERIENCE

Software Engineer, Stylib | Part-time | London, UK (remote) May 2022 — April 2026

- Developed complex user-facing features and application logic using React and Next.js, integrating REST APIs to enable scalable, data-driven functionality
- Designed and implemented backend services for a full-stack feature using Python (FastAPI) and DynamoDB on AWS, including API design and data modeling
- Built a multi-agent backend system for semantic search using an Entity-Filter-Validator pipeline to transform natural language queries into structured filters
- Implemented testing and CI/CD pipelines (Jest, Cypress, GitHub Actions)

Web Developer, Freelance | Madrid, Spain (remote) March 2020 — May 2022

- Delivered 15+ web applications with REST API integrations, focusing on data flow, validation, and error handling across client-server interactions
- Built React/TypeScript applications with structured state management and production-ready architecture
- Developed backend integrations using Node.js and Express for API handling and server-side logic
- Maintained 5/5 client rating for code quality, reliability, and communication

IT Technician (Systems & Automation), Vanrays | Part-time | Madrid, Spain Oct 2019 — Sep 2021

- Led development of an internal booking system, coordinating 3+ freelancers and contributing to frontend and backend implementation using React and Node.js
- Automated booking and contract workflows, reducing manual effort by 80% and improving operational efficiency
- Improved system reliability through data handling and process automation solutions

EDUCATION

BSc Computer Science and Engineering, Universidad Carlos III de Madrid Expected July 2026

- **Coursework:** Data Structures & Algorithms, Databases (SQL/NoSQL), Machine Learning, Distributed Systems, Computer Networks, Discrete Math, Computer Architecture, Cybersecurity.
- **Projects:**
 - Multi-Agent AI System: Designed a backend pipeline for semantic search using NLP and structured filtering
 - Secure Chat Application: Built a secure messaging system using AES-GCM and RSA encryption with PKI-based key exchange
 - Disease Prediction: Developed machine learning models to classify diseases from symptom data

SKILLS

- **Backend & Systems:** Node.js, Express, Python, FastAPI, SQL, NoSQL (DynamoDB), AWS, Linux
- **Engineering:** Testing (Jest, Cypress, pytest), CI/CD (GitHub Actions), Git, Agile
- **Frontend:** React, Next.js, TypeScript, Redux, Tailwind, Storybook
- **Languages:** Spanish (Native), English (Fluent)