

JOSE RAUL SORIANO CAZABAL

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EDUCATION

Benemerita Universidad Autonoma de Puebla (BUAP)

Puebla City, Mexico

Major: Information Technology Engineering

Expected Graduation date: May 2027

- **Relevant Courses:** Relevant Courses: Databases, Operating Systems, Software Engineering, Algorithms, Data Structures, Web Development, OOP, Programming, Computer Networks, Calculus, Linear Algebra, RNN.

SKILLS

- **Programming languages:** C++ (proficient), JavaScript (proficient), Python, Swift, TypeScript, SQL, PHP (Basic).
- **Web development:** React, Angular, HTML/CSS, Astro REST API, GraphQL, responsive design, cross-browser compatibility, agile development.
- **Mobile development:** SwiftUI, MapKit, CoreLocation, UI/UX design, mobile app architecture, push notifications, mobile testing.
- **Backend development:** Django REST Framework, FastAPI, Node.js, Express.js, PostgreSQL, MongoDB, API development, authentication, authorization, serverless architecture.
- **Cloud technologies:** Cloud technologies: Terraform (IaC, modular multi-environment), AWS (VPC, ECS Fargate, ALB, RDS, DocumentDB, S3, Lambda, API Gateway, Secrets Manager, ECR, IAM, CloudWatch), Azure, Docker, Kubernetes, CI/CD (GitHub Actions), cloud deployment, scalability.
- **Software and tools:** Figma, Terraform, Git, VS Code, Xcode, Clion, Jira, Trello, Asana, Bash, Linux, Unix.

EXPERIENCE

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Puebla, Remote

Role: Full Stack Developer / Cloud Engineer

December 2024 – Present

- Designing and maintaining production AWS infrastructure as code with Terraform: VPC, ECS Fargate, ALB, RDS PostgreSQL, DocumentDB, API Gateway, Lambda, and Secrets Manager for an enterprise ERP.
- Implementing microservices architecture with Docker, deploying 7+ containerized services to ECS Fargate, and configuring path-based routing with HTTPS.
- Centralizing secrets management (AWS Secrets Manager), IAM roles, and security groups for multi-service ECS workloads.
- Setting up CI/CD pipelines (GitHub Actions) for automated image builds, ECR pushes, and ECS deployments.
- Building and maintaining the custom ERP using Django REST Framework, React.js, and Astro.
- Automating internal processes with Python scripts (reporting, client follow-ups, data sync).
- Working under Agile (Scrum/Kanban) with Jira across full development cycles.
- Integrating third-party services via RESTful APIs and ensuring scalable backend infrastructure.

Huitzillin Project - Unmanned VTOL Aircraft

Puebla, Remote

Role: Brand Designer, Web Developer & Ground Station Contributor

December 2024 – Present

- Conceptualized the brand guidelines for the project, including typography and color schemes, ensuring a consistent visual message that was critical to securing partnerships with companies in FAMEX.
- Designed and launched the project website using React, which featured interactive 3D models of the aircraft and detailed project documentation to align with compliance standards.
- Ground Station: Researched components and co-developed a Mission Planner-like interface for real-time UAV control using PX4, MAVLink and VS Code.
- Collaborated with aerospace engineers to integrate UAV systems, referencing component documentation such as PX4 and MAVLink, ensuring seamless data transmission for real-time control and mission planning software development, leading to successful launches.

PROJECTS

AgroDigital [Repo](#)

Guadalajara, Talent Land

Mobile Developer

April 2025

- Co-led the development of AgroDigital, a smart financial inclusion platform for the Mexican agricultural sector, created to optimize the operations of rural cooperatives, guarantee secure payments and enable smart financing even in areas of low connectivity.
- Implemented a secure cloud-based data storage solution for AgroDigital, reducing data breaches by 100%, whilst developing the complete UX/UI interfaces; prototype delivered under competition deadline.
- **Tech Stack:** React Native (Expo SDK), TypeScript, AWS Amplify, AWS Cognito, AWS S3, Serverless Architecture, REST APIs, Expo Router, Expo Libraries (location, media, secure store), Git.

LoboBus – BUAP University Transport System [Repo](#)

BUAP, Pueb

Jan 2025

- Spearheaded LoboBus, a native iOS app for BUAP students, built with Swift, SwiftUI, Xcode, and CocoaPods, integrating real-time bus tracking using MapKit and CoreLocation, and implementing advanced C++ algorithms (Dijkstra, BFS, DFS) for efficient route prediction, reduced student wait times by 15–20%, improved campus transit efficiency, and earned recognition for featuring the most sophisticated algorithmic solutions among mobile projects with c++.
- **Tech Stack:** Swift, SwiftUI, MapKit, CoreLocation, C++, Dijkstra's Algorithm, BFS/DFS, Xcode, CocoaPods, Queues, Hash Tables, Git.