

Chris M. Perez

Software Developer | B.Sc.
in Computer Science



Canovanas, Puerto Rico



chrisperezsantiago1@gmail.com



939-655-5195



LinkedIn: chrisperezsantiago

Education

Bachelor of Science in Computer
Science
Interamerican University,
Metropolitan Campus | Graduation
2019

Skills

Languages: JavaScript, TypeScript,
Python, SQL, C++
Backend: Node.js, Express.js, Spring
Boot

Frontend: React.js, Next.js, React
Native, Vue.js

Version Control: Git

Databases: MySQL, MongoDB

Deployment: Vercel, AWS SDK

Testing: Vitest, Jest, JUnit, Postman

API Development: RESTful APIs, MVC
design pattern

3D Visualization: Three.js, WebGL,
React Three Fiber, Deck.gl, Mapbox
GL, Gaussian Splatting, Point Cloud
Processing

Agile Methodology: SCRUM

Operating Systems: macOS, Windows,
Linux

Summary

Results-driven software developer
with strong expertise in both
front-end and back-end development.
Adept at learning new technologies
quickly and applying them to solve
complex problems. Skilled in creating
scalable, high-performance
applications with a focus on user
experience and clean, maintainable
code. Proven ability to collaborate
effectively in cross-functional teams,
delivering innovative solutions under
pressure while meeting deadlines and
business objectives.

Work Experience

- 2025 - 2026 **Software Developer** MeshMap
Developing advanced 3D visualization features and interactive
pipelines for MeshMap, enabling real-time exploration of cloud-native
infrastructure.
- Implement interactive 3D pipelines to render Gaussian Splatting
models, PLY files, and point clouds efficiently using React Three
Fiber, Three.js, and WebGL.
 - Build scalable front-end applications with Next.js, React.js, and
React Native, integrating APIs, Prisma, and PostgreSQL for data
management.
 - Integrate geospatial layers using Deck.gl and Mapbox GL to en-
hance topology and infrastructure mapping.
 - Leverage AWS SDK to manage cloud storage, deployments, and
asset delivery for high-performance applications.
- 2022-2024 **Lead Developer** Techno&Logic Corp
Directed development of VoyTuristeando, a tourism app for Puerto
Rico on web, Android, and iOS.
- Led both back-end and front-end development, delivering a
seamless, robust user experience.
 - Coordinated with design and cross-functional teams to align
technical features with user-centered goals.
 - Optimized app performance, supporting 1,000 to 5,000 daily
users.
 - Project URL: <https://app.voyturisteando.com/>
 - Tech Stack: Next.js, React Native, PostgreSQL, Strapi
- 2021 - 2022 **Front-End Developer** Digheontech
Contributed to front-end development for Travelsafe, a COVID-19
travel tracking app developed by the government of Puerto Rico to
monitor the COVID-19 situation, with over 20,000 daily users.
- Implemented responsive UI components and optimized user ex-
perience to ensure accessibility and performance on all devices.
 - Tech Stack: ReactJS, Redux, JavaScript, HTML5, CSS3
- 2020 - 2021 **Developer** Puerto Rico Science, Technology & Research Trust
Built a virtual laboratory web application for vector surveillance, mon-
itoring Zika, Chikungunya, and Dengue in Puerto Rico.
- Developed both front-end and back-end for real-time monitor-
ing, surveillance, and mosquito identification.
 - Managed SQL Server and PostgreSQL databases for secure data
handling.
 - Project URL: <https://lab.prvectorcontrol.org/>
 - Tech Stack: React, Node.js, PostgreSQL, SQL Server
- 2018 **Junior Developer** CINCO Engineering
Developed a Quality Risk Management app for life sciences.
- Focused on MEAN stack, database design, and user authentica-
tion.
 - Tech Stack: MongoDB, Express.js, Angular, Node.js
- 2018 **Software Tester** Mucaroo Inc.
Conducted software testing to ensure quality and functionality.
- Focused on API, UI, performance testing.
 - Tools: Postman, JUnit, Mocha.js.

Research and Projects

- 2016 - 2017 **Junior Developer (Bioinformatics)** Medical Science Campus, UPR
Researched work in the area of bioinformatics constructing, combin-
ing, optimizing, and searching finite-state transducers weighted.
- Tools: pyfst (Python), OpenFst (C++)
 - Environment: Linux

Achievements

2017

Codetrotters Scholarship

Full Stack Web Development, Mentored by Jonathan Agosto Cruz

- Tech Stack: JavaScript, Express.js, and Node.js

References

Dr. Abiel Roche Lima

(787) 631-8303 | abel.roche@upr.edu

Medical Science Campus, UPR