

Charles Puente-Matos

Full Stack Software Engineer

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Versatile Full Stack Software Engineer with a creative background in solving complex problems and telling compelling stories through technology. Specialized in a diverse set of languages, frameworks, and tools, including TypeScript, Node.js, Python, and React. Committed to leveraging AI-driven solutions to solve real world challenges.

Relevant Experience

Columbia University | New York, NY (Remote) | 2021- Present

Instructional Specialist, Full Stack Web Development

- Prepare the next generation of web developers via small group learning, pair coding, and one-on-one instruction for cohorts of 30-60 students, 3 times a week, during 5 hour classes.
- Maintain JavaScript based technical curriculum for quality and debugging to ensure an optimal learning experience
- Successfully mentored over 200 new engineers from entry to graduation

Freelance Full-Stack Web Developer | New York, NY (Remote) | 2021- Present

Self-Employed Freelancer

- Design, develop, and optimize full-stack typescript based applications to create user-centric experiences
- Engaged in the end-to-end product lifecycle, from design to deployment and post-launch DevOps.
- Maintain code quality, implement industry best practices, and ensure responsive design across devices.
- Drive online engagement and growth for private and community clients

edX | New York, NY (Remote) | 2022 – Present

Tutor, Full Stack Web Development

- Privately tutor students, providing one-on-one mentoring, interactive lessons, and personalized coaching
- Improved learning outcomes for 6-10 students a week, strengthening understanding in a full stack curriculum that includes technologies across the MERN (MongoDB, Express, React, Node) Stack
- Create custom lesson plans tailored to a learner's needs and goals to further improve skills retention

UK Department for Education | New York, NY (Remote) | 2022 – 2023

Teaching Assistant, Front-End Skills Bootcamp

- Picked as part of an initial cadre of developers in carrying out a UK Government-funded pilot program to train Front-end engineers
- Developed new SOPs and best practices for future course iterations
- Supported the growth of over 100 students across multiple time zones through pair coding, one-on-one mentorship, and on-call technical support

Technical Skills:

Languages: JavaScript (ES6), TypeScript, HTML5, CSS3, SQL, Python

Frameworks: React.js, Node.js, Express.js, Django, Flask

Libraries: Tailwind, Vite, Jest, Next.js

Version Control: GitHub, Gitlab

Databases: MongoDB, PostgreSQL, MySQL

Cloud Platforms: AWS, Microsoft Azure

Containerization: Docker

API: REST, GraphQL

AI: LangChain

Education

Certificate, Full Stack Web Development
Columbia University School of Engineering
New York, NY

Bachelor of Arts, English
Fordham University, New York, NY