Erick Pena

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Core Competency

Dedicated, passionate, and motivated, in search of the perfect opportunity that will allow for growth and maximum learning. Result-driven with excellent ability to understand and convey complex information

Skills

- Programming: Java, JavaScript, Python, C
- Web Development: React.js, Angular, HTML CSS, Express.js, Node.js, MongoDB, SQL
- AWS Technologies: Lambda, Amplify, RDS, SQS, SNS, S3, EC2
- Other Technologies: Spring Boot, Git, MS Office

Professional Experience

Tata Consultancy Services / Pearson   Orlando, FL
Software Engineer   Jan 2022 – Present
- Developed and maintained payment portal to allow teachers from more than 80,000+ learning institutions nationwide to obtain educational certifications
- Developed multithreading algorithms to improve time efficiency from data processing operations by up to 35% from previous single threading implementations
- Migrated multiple micro services from main production pipelines to AWS improving the scalability of our product

Tata Consultancy Services / Comcast   Orlando, FL
Software Engineer Analyst   Jan 2021 – Dec 2021
- Worked with technical team to maintain application that is used to provide services and solutions to more than 2 million businesses
- Tested software before deployment for bugs, speed, and efficiently reducing the number of reported complaints by 14%
- Created additional training material to help new co-workers accelerate their training process from 3 to 2 weeks; the training material is still in use to this day, and it has helped 15+ employees

Flairr Labs   Orlando, FL
Software Engineer   Jan 2020 – Nov 2020
- Developed cryptocurrency using DAG technology which helped to improve the number of transactions from 4 to 230 transactions per second from previous blockchain implementation
- Develop set of APIs to connect gaming mobile app to cryptocurrency network to distribute 100,000+ virtual coins to users who successfully complete augmented-reality challenges
- Recognized by UCF's CECS showcase as innovative project and made an appearance in local news

Projects

YouTube Summarizer: April 2023-Present
- Developed a chrome extension that summarizes YouTube videos into a concise paragraph allowing user to check if the video is of their interest and avoid "click-bait"
- The application makes use of the new the trending technology chatGPT and it is API system
- Developed with HTML, CSS, Node.js and AWS Lambda

News Update 24X7:   Feb. 2021 – Apr. 2021
- Built a responsive website that allows users to check forecasts and news of any city of their choice
- The application allows login, registration, and CRUD operations only for administrator use
- Developed with MongoDB, Express.js, React.js, and Node.js

Education

- **University of Central Florida**   Orlando, FL
- *Bachelor of Science in Computer Science* (GPA 3.8)   Graduated Aug. 2020