

Peter Correa

Senior Software Engineer

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786-877-9778

Experience

Software Engineer

2021 - present

PayPal - Growth

- Implemented new cash products resulting in 18% increased engagement
- Migrated legacy backend environments to support service architectures reducing P0, P1 issues by 10%
- Support acquisitions by integrating API's across platforms through a unified data layer using GraphQL
- Conducted benchmark and stress tests on enterprise systems and network controls
- Research failures and bottlenecks to determine appropriate solution
- Present to senior developers, technical managers and stakeholders about the state of technology and practices
- Conduct hands on workshops regarding software engineering and web design
- Monitored deployments on cloud hosting environments for usage and high availability on AWS

PayPal - Product

- Focused on building out an in-house content management system to support all teams using Node.js
- Developed AI/ML personalization platform for user promotions increasing transactions per capita by 30%
- Collaborated with managers, product designers and legal partners to develop features and architectures
- Built custom content management system and distributed applications with high throughput and low latency
- Interviewed candidates, mentored trainees, and presented training sessions for technical teams
- Hosted monthly Tech Talks to sr developers and managers on technical topics and industry trends
- Facilitate forum discussions on object oriented code, data structure and algorithms and testing
- Built for a variety of target devices including web and native platforms

Software Engineer

2020 - 2021

Coinbase - Data Science

- Conduct statistical analysis, data modeling, sanitation, imputation and standardization with pandas and numpy
- Develop dashboards and visualizations with seaborn and ggplot
- Develop supervised machine learning models using scikit-learn
- Conduct hypothesis testing, regression analysis and predictive analysis
- Develop web scraping scripts and automated testing
- Rearchitect multipage web apps into single page to improve performance by 17%

Coinbase - Product

- Worked on improving frontend experience by implementing automated testing in Datadog
- Migrated flagship product from monorepos to microservices reduced bundle size by 26%
- Develop a systematic content management strategy using Contently
- Collaborate with legal and financial authorities to ensure compliance and corporate responsibility
- Revamp corporate site to improve accessibility and increase lighthouse metrics by 45%
- Built HIPPA compliant persistence models, migration and data cacheing strategies: postgres, mongoDB, mysql
- Designed single page, client/server, serverless, JAMStack and service oriented architectures: React, NextJS

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Software Engineer

2019 - 2020

Thinkful - Engineering

- Integrated persistence with relational or document/object-based database systems: postgres, mysql, mongoDB
- Designed responsive and accessible views with CSS and style preprocessors: CSS, SASS, styled-components
- Implemented security best practices with cross site scripting, request forgery, input sanitization and CORS
- Integrated token based authentication and authorization systems with appropriate hash and salt mechanisms
- Developed single page applications with frontend frameworks: React

Senior Operations Manager

2014 - 2019

Target - Management

- Piloted technological initiatives such as online ordering, same-day delivery, self checkout and RFID operations
- Improved operations over 10% and reduced liabilities over 15%
- Managed retail operations of over \$75M in annual volume
- Grew online sales by 47% and improved gross margins by 38%
- Managed a team with 50+ direct reports achieving in highest number of promotions and cultural satisfaction

Student Teaching Assistant

2012 - 2014

Florida International University - Dept. of Biology

- Lecture undergraduate pre-med students in Biology I & II
- Administer testing and practice a variety of active learning pedagogies
- Plan, build and present curriculum covering topics in physics, biology and chemistry
- Collaborate with staff and faculty to assess and improve student engagement and performance

Software & Hardware Specialist

2010 - 2012

Apple - Retail

- Triage software and hardware issues
- Perform testing and analysis of critical electrical components and modules
- Managed technical appointments and traffic
- Verify and audit technical repairs, hardware upgrades, and data recovery and migrations Train and develop peers and new employees

Education

University of Colorado, Boulder - Master of Science, Electrical Engineering

2024

Florida International University - Bachelor of Arts, Liberal Studies & Biology

2014

Skills & Technologies

javascript, typescript, python, go, rust, c, c++, html, css, node.js, graphql, react.js, next.js, sql, postgres, mongodb, redis, kafka, docker, kubernetes, vercel, heroku, aws, amazon web services, datadog, contently, codeflow, jenkins, jest, object oriented, testing