

# Anthony Jude Clark

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## Work Experience

Software Engineer **Fortrea**, San Diego, CA

**January 2021 - May 2025**

- Led front-end development for 20+ clinical trial applications using JavaScript, HTML5, and CSS3, enhancing user experience and clinician satisfaction.
- Collaborated with cross-functional teams to deliver secure, HIPAA-compliant applications in an Agile environment.
- Managed MDM policies and provisioning pipelines for trial devices, increasing deployment speed by 40% while maintaining compliance.
- Led end-to-end development of 20+ mobile apps and engineered 25+ reusable libraries, reducing dev time by 30% across projects.
- Deployed mobile apps to iOS and Android platforms using Xcode and Android Studio, supporting thousands of trial participants.
- Developed CI/CD automation with Jenkins and Firebase to reduce manual deployment errors and streamline releases.

Web Application Developer **SnapIot**, San Diego, CA

**June 2020 - January 2021**

- Contributed to the rapid launch of COVID-19 clinical trial platforms, ensuring product readiness on tight timelines.
- Built high-performance apps using SnapClinical's Blockly scripting tools for simultaneous deployment across web, iOS, and Android.
- Maintained consistent delivery in remote Agile setting, collaborating with 5-person team using Jira and Bitbucket.
- Managed environment configurations and deployments via Jenkins; ensured source control via private Git repositories.

## Education

**San Diego State University**, San Diego, CA

Graduated: **December 2019**

Management Information Systems – Bachelor of Science in Business Administration

**University California of San Diego**, San Diego, CA

Completed: **February 2025**

UC San Diego Extension Machine Learning Engineering Bootcamp Certification 2025 6-month intensive course in artificial intelligence and machine learning technologies and methods.

**Capstone Project:** Real Estate Price Prediction Tool: <https://github.com/TJC1996/RealMap>

- Designed and deployed a real estate pricing app using Python, XGBoost, and Streamlit to forecast home values in Monmouth County, NJ
- Built scalable ETL workflows for processing monthly property data exports (CSV) from 200,000 OPRS listings
- Integrated interactive map visualizations for user exploration of trends by location and date
- Achieved >90% accuracy on test data; currently building SaaS-ready version for public access

## Technology Experience

**Programming Languages:** Python, JavaScript, SQL, MATLAB, Java

**Databases:** MongoDB, MySQL, PostgreSQL, Amazon SageMaker, EC2

**Web Frameworks:** React.js, Express.js, Next.js, Commerce.js, Node.js, Material UI, Bootstrap

**Front-End Technologies:** HTML, CSS, JavaScript, React.js, MaterialUI

**Automation Technologies:** Jenkins, Firebase, Mobile Device Management (MDM)

**Git:** Github, Bitbucket, Jira, Sourcetree

**Deployment:** Xcode, AWS (EC2, S3), Android Studio, Vercel, Amazon SageMaker, Netlify

