

# Hoan Tran

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## EDUCATION

### University of Central Florida

Fall 2021 — Fall 2024

*Bachelor of Science in Computer Science*

*Orlando, FL*

- In-major GPA: 3.9
- Coursework: Operating Systems; Databases; Data Structure; Algorithms; Programming Languages; Security in Computing

## CERTIFICATION

### AWS Certified Solutions Architect - Associate

Aug 25, 2023

*Amazon Web Services*

- Validation number: WFB6WSP27FBEQV5Q

### AWS Certified Cloud Practitioner

Feb 03, 2023

*Amazon Web Services*

- Validation number: V2N5GK21TBF4QXSG

## EMPLOYMENT

### Software Engineer, Intern

Jun 2023 - Current

*JPMorgan Chase & Co.*

*Tampa, FL*

- Developed **React** UI for high-volume file gateway system, handling **millions** of requests daily, with NodeJS and Express backend.
- Architect infrastructure and provision using **Terraform: Route53, Application Load Balancer, Lambda, S3, DynamoDB, SNS and SQS** optimizing performance and scalability.
- Implemented secure **OAuth** authentication with JPMC's internal Active Directory, ensuring seamless access to company resources while meeting rigorous security standards.
- Conducted testing, debugging, and documented UI components and architecture.

### Software Engineer, Intern

Feb 2022 - Jun 2022

*Varisource*

*Orlando, FL*

- Led a team to create a URL shortening app with customizable ad pages.
- Utilized **React, TypeScript, Django, Postgres, Redis, AWS S3, and CloudFront**.
- **Docker, Github Actions** to speed up the development

## PROJECTS

### HotelMS

Mar 2023

<https://github.com/xhoantran/HotelMS>

- Devised an innovative solution to enhance operational efficiency and automation in the realm of hotel and hospitality management.
- Orchestrated a sophisticated system encompassing a **React** frontend, a **Django Rest Framework** API, and seamless integration with a **PostgreSQL** database.
- Implemented a robust **heartbeat service** powered by scheduled events, all seamlessly orchestrated through a **Redis** instance.
- Leveraged cloud-native capabilities, offering **Docker** containerization for easy deployment and scale while also providing streamlined provisioning through **Terraform**.

## TECHNICAL SKILLS

**Languages:** Python, Typescript, Javascript, Java, C++, C

**Frameworks:** React, Express, Flask, Django, Spring, React Native

**Developer Tools:** Git, Docker, Terraform, Kubernetes

**Testing:** PyTest, Jest, Cypress