

# Patrick Hansen

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Veteran / Active Secret Clearance

## EDUCATION

### University Of Central Florida

Bachelor of Science College of Computer Science - Information Technology

Orlando, FL

MAY 2026

## EXPERIENCE

### Oracle

JUN 2025 - PRESENT

Software Engineer Intern

Remote

- Enhanced build and deployment pipelines using Python for a **team of 50+ engineers**, enabling them to selectively build and deploy projects while automatically skipping unchanged ones, reducing build times
- Authored YAML configurations to orchestrate Pod deployments across multiple nodes using Kubernetes ensuring **10 replicas** were running at once
- Worked with GitLab workflows, automating the filtering of projects for deployment pipelines

### The Walt Disney Company

JAN 2025 - JUN 2025

Software Engineer Intern

Orlando, FL

- Automated workforce scheduling using Python and SQL, enhancing shift coverage and operational efficiency for a workforce of **over 50,000 employees**, resulting in optimized resource allocation and reduced scheduling gaps
- Developed Django models and RESTful APIs with built-in data validation, which improved overall data integrity and **cut input errors by 50%**, reducing the need for manual corrections and increasing system reliability.
- Created a UI/UX friendly Front End using Angular and Typescript used by over 100 managers and coordinators
- Implemented unit tests resulting in a scalable and robust Back End with tests being achieved **50% faster**
- Automated deployment and testing using Github workflows (CI/CD pipelines)

### Amazon Web Services (AWS)

MAY 2024 - AUG 2024

Software Engineer Intern

Cupertino, CA

- Reduced the time to query the hierarchy of a node **by over 50%** by building a dashboard with TypeScript and React that consolidated multiple command-line tool calls into a single, user-friendly interface
- Cut processing **time by 25%** through a high-performance API using Breadth-First Search for hierarchical node traversal, with reusable classes and custom data types for maintainability
- Created comprehensive and efficient unit tests, enhancing software reliability and **reducing bugs by 30%**
- Built an on-call page providing quick links to alarms and information saving **1 hour of on-call pages weekly**

### Army Reserves

JAN 2021 - PRESENT

Motor Transport Operator

Orlando, FL

- Led a squad of five soldiers **having 100% accountability** throughout weeks of training exercises
- Conducted thorough maintenance checks on vehicles, **leading to a 20% reduction in operational issues**

## PROJECTS

### Byte Fight AI | Java, SpringBoot, SupaBase, SQL, React, JavaScript, Next.js

NOV 2024 - JAN 2025

- Building Byte Fight AI a platform where users can use AI models to fight against others
- Implemented advanced Elo rating algorithms in Java, **increasing match outcome accuracy by 50%**
- Developed APIs with Spring Boot resulting in a scalable and robust Backend
- Collaborated in a repository with over 20 engineers showing proficiency in version control and git

### Guess The Price | React, Type Script, HTML, CSS, Node.js

AUG 2024

- Developed with React and Node to build an interactive web application where users guess the price of items
- Integrated OpenAI's ChatGPT API to provide hints when players are stuck, enhancing user engagement

## TECHNICAL SKILLS

**Languages:** Java, HTML, CSS, JavaScript, GO, Python, SQL, TypeScript, Kotlin

**Technologies:** React, Django, Node.js, Express, SpringBoot, Flask, Angular, Linux, FireBase, AWS(S3, CloudWatch, Lambda, EC2), Postman, Insomnia, Git, MongoDB, Remix, Next.js, SupaBase