

# Alexander Tisdale

## Roles

- Software Engineer
- Cloud Engineer
- Data Engineer

## Primary Technologies

- Languages: Java, JavaScript, TypeScript, Python, Go, Kotlin
- Frontend: React, Redux-Saga, NextJS, MaterialUi, Angular, CSS/SCSS
- Backend: Java Spring, Express.js, Kotlin
- Database: MySQL, MongoDB, OracleDB
- Cloud Solutions: AWS, GCP

## Other Technologies

- Tools: Postman, AdobeXD, IntelliJ
- Operating Systems: Windows 10, Mac OS, Debian-based Linux Distros
- Project Management: Github, Jira, Microsoft Suite, Jenkins, Terraform, Tableau
- Solution Strategies: Containerization, REST, MVC, Agile Methods (Scrum/Kanban), CI/CD, Distributed Systems

## Key Engagements

*Competitive Intelligence Company*

*Software Engineer*

Worked with a small team of engineers to provide competitor data to stakeholders.

*Financial Company*

*Software Engineer*

Worked with large scale organization to integrate artificial intelligence on global scale.

*Satellite Imaging Company*

*Fullstack Developer*

Revitalized aged client project. Contributed to the Angular frontend and owned the Spring Boot backend repository.

## Education

Bachelor of Science,  
Louisiana State University 2020

## Professional Training/Certifications

OCAJP Certification (Java Certified)  
AWS Certified Cloud Practitioner

## Professional Experience

### American Express

Jun. 2024 – Mar 2025

Engineer, Python - Global Servicing Technology

#### Domain: Artificial Intelligence

Architected backend services and APIs that served as foundation for artificial intelligence application across American Express globally. Integrated Speech-To-Text Transcription focused AI solutions for real-time audio analysis.

Responsibilities:

- Plan and architecture new software system
- Manage governance of PII in AI
- Review and perform architectural changes to cloud-based distributed system

**Technologies:** Java, Gradle, Maven, Kotlin, Oracle DB, GCP, GitHub, Enterprise Cloud, Apache

### BlackLocus

Jun. 2022 – Present

Software Engineer

#### Domain: Competitive Intelligence

Worked with a small team in a startup-like environment to maintain competitive intelligence information technology that directed our Fortune-15 parent company's pricing and decision-making strategies. Tasked with agile and adaptive behavior to optimize solutions in the web scraping space.

Responsibilities:

- Ensure consistent flow of big data from competitor sites that met metrics negotiated with stakeholders
- Plan, test, and implement changes in scrape strategies in response to variable competitor blocking methods
- Review and perform architectural changes to cloud-based distributed system
- Work across teams with data scientists and engineers to reach the most effective resolutions

**Technologies:** Java 8, Java 17, Gradle, AWS, Python, MySQL, GCP, GitHub, Kubernetes

### Perficient

Mar. 2021 – May 2022

Technical Consultant

Client: Maxar Technologies

#### Domain: Order Processing Services

*Several Roles*

Worked with another developer to restore a full-stack client microservice application that had seen neither consistent development for years nor recent development for several months. Met time sensitive deadlines with limited knowledge of the concurrent application from the client.

Responsibilities:

- Performed in-depth research and analysis to understand inner workings of application backend
- Mentored jr. developer to backfill my position

**Technologies:** TypeScript, Angular, React, SCSS, Java, Spring Boot, Cucumber, Terraform, Maven, CentOS

