

# Adi Budithi

Austin, Texas | 1-510-358-0792 | [adibudithi@outlook.com](mailto:adibudithi@outlook.com) | [adibudithi.com](http://adibudithi.com)

## Education

### University of Illinois at Urbana-Champaign

Urbana/Champaign, Illinois

B.S. in Mathematics and Computer Science

## Experience

### Concent Software Solutions

Alfaretta, GA

Software Engineer

August 2023 – Present

- Developed a GPT-powered support agent that handled 70%+ of Tier-1 tickets, reducing average resolution time by 40%.
- Integrated the bot with Zendesk and internal APIs using FastAPI and LangChain, ensuring secure, real-time responses to account inquiries.
- Created a GitOps bot that merged, deployed, and rolled back services across AWS ECS environments using GitHub Actions and Terraform, reducing deployment errors by 30% and shortened release cycles from bi-weekly to weekly
- Built a dynamic inventory tracking system with predictive restocking using Meta's forecasting procedure Prophet, improving stock accuracy by 25%.
- Implemented agentic scheduling agents that auto-adjusted reorder timing based on lead times, sales trends, and warehouse capacity.

### Capital One

New York, New York

Software Engineer

August 2021 – March 2023

- Developed Payfile 2.0 service that allows clients to pay their vendors easily by uploading customizable batch payment files.
- Analyzed payment data using Python library Pandas to offer optimal payment strategies and solutions to our clients.
- Built payment file parser and email notification service for various stages in the payment processing pipeline.
- Configured Spring Boot to quickly run Java microservices both locally for developers and on QA/Prod environments on EC2.
- Created payment invoice visualizer in Angular for merchants to view their completed/pending payments.
- Utilized Hibernate to map important merchant, client, and payment data into both SQL and NoSQL databases including Oracle Database and Amazon DynamoDB.

Software Engineer Intern

September 2020 – February 2021

- Detected barcode corner points to transform off-axis images into usable barcodes to more easily access customer information using Python computer vision library OpenCV.
- Scraped thousands of freely available barcode images off the web for the sample data set.
- Trained PyTorch model from manually annotated barcode dataset to find optimal parameters for the Harris corner detector algorithm.

Software Engineer Intern

June 2020 – August 2020

- Modernized Capital One's Customer One Legal Entity Relationships Service to reduce latency of finding relationships between people, businesses, and other legal entities.
- Created a Golang data migration pipeline deployed on AWS Lambda to concurrently extract, transform, and load data from relational database Oracle Siebel to graph database AWS Neptune.
- Visualized performance improvements through Jupyter notebooks using Matplotlib.

### AbbVie

Champaign, Illinois

Associate Software Engineer

May 2019 – December 2019

- Implemented continuous delivery/integration services such as one-click build-and-test using Jenkins to accelerate AbbVie's developer workflow.
- Integrated JFrog Xray into AbbVie's infrastructure to enhance product and service security across the data pipeline.
- Extracted build reports and performance metrics in PDF format for developers and executives to maximize efficiency.

## Languages and Frameworks

Java, Python, JavaScript, Node, React, Angular, Postgres, AWS, Microsoft Azure, LangChain