

# Adrian John

## Software Engineer

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South Dakota, USA

Detail-oriented and results-driven computer science graduate student with a strong academic foundation and hands-on experience in web-based software engineering. Seeking a challenging internship position to contribute to innovative projects and enhance my skills.

### Skills

- JavaScript | Python | Java | PHP | NodeJS | Django | MySQL | MSSQL | MongoDB | HTML | CSS | React | Redux | GraphQL | Plotly
- Docker | Ubuntu Server | Windows Server | GitHub | Bitbucket | Git | Cloud Computing | Digital Ocean
- Frontend | Backend | Full-Stack | System Administration | Data Structures & Algorithms | Parallel Computing

### Experience

#### Programmer / Analyst

Bermudez Group Limited

Jan 2021 – Aug 2023

- Completed automated pay slips delivery for over 3000 employees by designing and developing an application in **Django** which integrated with the existing HR software.
- Developed a stock inventory management system with **Django, React, JavaScript** and **MSSQL** which eliminated paper consumption, improved data accuracy and significantly reduced redundant tasks in truck loading process.
- Developed ETL scripts to process millions of records daily from various data sources using **Python** and **MSSQL** for BI reporting.
- Configured and managed services on Windows Server including **Apache** and **SQL Server** to host applications.
- Integrated Microsoft Office 365 services into in-house applications via the **Graph API**, improving employee workflow efficiency.

#### Software Developer

A.V Knowles Limited

Oct 2019 – Jan 2021

- Developed modules to optimize reporting and data entry in the internal ERP system with **PHP, JavaScript & MySQL** which generates over 2 million in revenue every month.
- Achieved a 45% response time improvement in the **REST API** for loans officers conducting credit searches via the external portal.
- Configured and managed **Ubuntu Droplets** on **digital ocean** to run services like **Apache** and **MySQL**.
- Successfully implemented a **payment gateway** with **WI-Pay**, enabling online payments during the COVID-19 lockdown.

### Education

#### Master of Science

University of South Dakota

Aug 2023 – Dec 2024

- Major in Computer Science
- Graduate Research Assistant – Biomedical Engineering Department

#### Bachelor of Science

COSTAATT

Sep 2015 – Aug 2019

- Major in Internet Technology
- Awarded Highest GPA 3.5 / 4.0
- IGOV HACKTT Hackathon 2<sup>nd</sup> Place
- 2018 ACM ICPC Latin American Finalist

### Projects

**E-appointment:** Full stack developer of an electronic appointment system for government offices in Trinidad and Tobago. (**React, NodeJS, MongoDB, Git**)

**Covid Visualizer:** Full stack developer of a web-based application used to visualize covid cases and deaths by state on a US map. (**React, NodeJS, MySQL, Apollo, Plotly, Git, GitHub Pages**)

**Sorting Algorithms Visualizer:** Developer of a sorting algorithm visualizer to challenge myself and better understand how sorting algorithms work. (**React, Data Structures & Algorithms, Git, GitHub Pages**)

### Certifications

#### Front End Development

freeCodeCamp

Aug 2022

#### Data Structures & Algorithms

Zero to Mastery Academy

Jan 2022

#### Problem Solving

HackerRank

Sep 2020

For details on the other projects, I've worked on, please visit my website [adrianjohn.dev](https://adrianjohn.dev)