

# Willie David Jones III

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## Skills

**Languages & Software:** JavaScript, Python, Bash, HTML5, CSS3

**Systems:** Mac OS X, Linux, Windows

**Databases:** Oracle, MySQL, MariaDB

**Tools:** AWS, Heroku, Digital Ocean, Git, Bootstrap, Flask, Jira, ServiceNow, Confluence, WordPress

## Projects

### **Crypto Currency Portfolio Tracking App | [Code](#)**

- Developing a web application using Python and Flask that allows users to easily track their crypto currency investments.
- Integrating DataTables jQuery JavaScript library allowing users to effortlessly apply table filters.
- Incorporating persistent data to archive crypto currency investments.
- Designing RESTful backend server enabling crypto currency investments to be stored persistently in an online database.
- Utilizing: Python, Flask, SQLite, DataTables, Auth0, Bootstrap, CoinGecko API, Local Persistent Data, Heroku

### **Netflix\_Tinder App | [Code](#)**

- Developed a web application using Python and Flask to generate Netflix movie recommendations.
- Created a 'Tinder like experience' by using a similar bootstrap UI functionality.
- Implemented Facebook and Google Authentication allowing easier user login processes.
- Utilized: Python, Flask, Bootstrap, OMDb API, Facebook API, Google API, SQLite, Local Persistent Data, Git

## Work Experience

### **Programmer/Analyst III, City of Los Angeles**

Aug 2021-Present

- Develop a React web application to distribute business relevant data with AWS Amplify, Lambda, RDS MySQL, Node.js and Okta API. This application is the focal point for communication and cross functional collaboration for various departments.
- Collaborate with cross-functional teams to define, design, and ship new features, resulting in a 10% increase in user engagement.
- Implement algorithm on gigabytes of datasets using Python, Placekey and US Census API to match campaign contribution data. Increasing efficiency by 300%.

### **Software Developer/Citrix Systems Analyst, AIG**

Sep 2017-Aug 2021

- Improve IT workflow by developing a Python and PowerShell CLI tool to resolve 90 percent of user reoccurring issues.
- Produce a Python real time monitoring tool using WatchDog API to reduce unauthorized access to folders.
- Save roughly 3-man hours per month by automating importing SOX and/or PCI compliance data via FTP, PowerShell and Autosys.
- Migrate on premise applications to AWS cloud reducing on premise server cost, improving availability and scalability.

### **Web Developer/Systems Administrator (Contractor), WHJSC**

Jul 2010-Present

- Own site performance with an emphasis on speed and caching.
- Migrate website to AWS LightSail which resulted in an increase of traffic, improved navigation and cut cost.
- Streamline content creation and management using WordPress CMS.

**Education**

**State University of New York College at Buffalo, Buffalo, NY**  
Bachelor of Science in Computer Information Systems

May-2015