

Denny Bucklin

Full Stack Developer

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TECHNICAL SKILLS

Programming Languages | JavaScript ES6+, Java 21, SQL, HTML5, CSS, Python 3, R 4.3.2

Front-End | React 18, Next.js, DOM manipulation

Back-End Frameworks | Node, Django, FastAPI

Other | Git, CI/CD, Docker, Deployment, Authorization, Tableau, Azure

RELEVANT PROJECTS

Lead Engineer | Chat-12 | React, Python, Flask, MongoDB

Feb '24 - Present

- Designed **data structures** and **wireframes** to ensure team alignment
- Delegated creation of **React** components, **Flask** endpoints, and **database queries** to team of five
- Created **Docker Compose** stack including **MongoDB** and **Flask** Python app

Backend Lead | Birddex | React, Python, FastAPI, PostgreSQL | [Live Project](#)

Jan '24 - Present

- Designed **unit tests** and **debugged errors** using Python unittest to ensure **performant and reliable** software
- Optimized queries using **FastAPI** and **PostgresQL** to serve data to the front end app
- Built a frontend using **React** to present a single-page application and **Redux** and **RTK Query** to minimize component coupling
- Developed using **Docker** collaboratively with a group, focusing on **inclusivity** and **Agile** methodologies
- Deployed using a **cloud provider** on the backend and **Gitlab Pages** for the frontend
- Created a display that organizes cards in rows and populates a between-row accordion on demand
- Implemented **blob storage** for images and integrated creation and retrieval with the **API** and **React app**

Full Stack | Calends-Online | React, Python, FastAPI, Azure | [Live Project](#)

Dec '23 - Present

- Automated the data entry process using **Python** requests library for **web scraping** & BeautifulSoup library for handling **HTML inputs** saving user time and effort when generating a syllabus
- Personalized solutions based on **feedback** gathered through **customer interviews** to best address & exceed user needs
- Employed **Azure Web Apps** to host the live application
- Ported app from create-react-app and Django to **Vite** and **FastAPI** for better efficiency and reliability
- Solved a user need by **eliminating the busy work** in starting a syllabus

Service Engineer | Dealer's Choice | React, Python, Django, PostgreSQL

Dec '23

- Constructed microservices in **Docker** with a **Django** backend
- Created **stateful components** to handle Autos, Errors, Services, etc. with **React**
- Implemented **filtering** of Services by VIN to provide users with important information easily and quickly
- Worked in a pair, effectively building on each other's knowledge to finish in **half the allotted time**
- Implemented a poller app to populate **value objects** in one service with **entities** from another

Data Analyst | Health Outcome for Horses Competition | Kaggle, Python | [Notebook](#)

Oct '23

- Processed and cleaned data using **Python** for **data mining and manipulation** to increase accuracy and performance of **machine learning models**
- Utilized Python libraries including **Numpy**, **Pandas**, & **Statistics**, along with machine learning models such as **LightGBM**, **XGBoost**, **Sklearn** to identify key trends, patterns, & predict individual outcomes on **Kaggle**
- Examined training data for **accuracy**, **reliability**, and **completeness**, removing bad and useless columns
- Created tables and visualizations for validating data and predictions, resulting in 80% prediction accuracy

PROFESSIONAL EXPERIENCE

AI Trainer | Freelance

Mar '24 - Present

- Analyzed language model outputs to improve the efficacy of **end-user interactions with AI**
- Developed and refined coding challenges for AI chatbots in **Python** and **Java**
- Authored **high-quality solutions** and explanations for complex coding problems, ensuring clear understanding and application of programming concepts in AI model development
- Managed **flexible project schedules** in a **remote environment**, contributing my expertise in over 100 hours of high-quality, documented coding solutions and reviews

Plant Manager | Insituform Technologies

Jan '17 - Jun '23

- Enhanced operational efficiency & quality by 15% using **statistical analysis**
- Developed standard operating procedures, resulting in a 15% **reduction in errors**
- Oversaw production and delivery operations for manufacturing plant earning \$1 mil monthly revenue
- **Designed and implemented training** for 15 manufacturing employees
- Tracked fleet of 50 trucks and trailers using **Gantt charts** and **AirTags** to improve uptime 20%

Machinery Technician Second Class | United States Coast Guard

Jun '07 - Jun '11

- Maintained physical plant of 4 boats, 2 cars, 4 small engines to achieve 100% operational readiness
- Trained 14 peers and subordinates to maintain machinery, operate radios, etc.
- Performed law enforcement and safety boardings, taking responsibility for public wellness
- Operated radio and phone equipment, while interacting with the public on matters of water safety

EDUCATION

Software Engineering with JavaScript and Python Certificate | Hack Reactor

Feb '24

Economics B.A. | University of Southern Mississippi

Dec '14

Earned Certificates

- Microsoft Certified: Azure Fundamentals
- Google Data Analytics (Coursera)
- IMB Data Analytics (Coursera)