

Denny Bucklin

Full Stack Developer

562-619-6459, dennis.bucklin@gmail.com, San Marcos, TX, [LinkedIn](#), [Github](#), [Gitlab](#), [Portfolio](#)

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

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

Full Stack | Calends-Online | React, Python, Django, 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, then refactor and deployed as a **Function App**

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**

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

Plant Manager | Insituform Technologies Jan '17 - Jun '23

- Enhanced operational efficiency & quality by 15% using statistical analysis to develop SOPs, resulting in a 15% reduction in errors
- Oversaw production and delivery operations for manufacturing plant earning \$1 mil monthly revenue
- Preserved operational readiness and designed and implemented training for 15 manufacturing employees

Machinery Technician Second Class | United States Coast Guard Jun '07 - Jun '11

- Maintained physical plant of 4 boats, 2 cars, 4 small engines, and 1 diesel generator to achieve 100% operational readiness
- Trained 14 peers and subordinates to maintain machinery, operate radios, etc.

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)