Austin Burnett

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TECHNICAL SKILLS

Programming Languages: C/C++, JavaScript, Python
Databases: MongoDB, PostgreSQL
Tools and Technologies: Git, Docker, NodeJS, ExpressJS, Flask, AWS (Lambda, CodeBuild, CloudWatch), Azure (Blob Storage, Devops), Postman, Mongoose, MongoDB Compass, Jest
Industry Knowledge: Unit Testing, API Development, Agile Methodologies, OOP, Http, Unix / Linux, Faas

EXPERIENCE

Software Developer Intern | C++
June 2021 – Sept. 2021
Bitwerx, Inc.
Lexington, KY

- Refactored the data extraction codebase, leading to a 20% reduction in data migration time.
- Designed an algorithm to generate database connection strings, ensuring connection is always acquired.
- Developed Microsoft installer (.msi) for product installation, reducing virtual machine provisioning time by 12%.
- Used Microsoft Azure DevOps to manage work items, allowing me to prioritize tasks.
- Participated in daily Scrum stand-ups by discussing tasks, improving team communication.

Backend Developer, Open Source | Python
May 2021
couchers.org

- Unit tested code by using pytest, increasing unit test coverage.
- Utilized feature branching workflow in Git to enable faster code approvals and effective collaboration.
- Contributed a feature using flask to notify users when their friend request was accepted.
- This is a user-facing feature which is available to over 25,000 users internationally.

Undergrad Computer Science Research Assistant
March 2020 – May 2021
University of Kentucky
Lexington, KY

- Created url routes using django which led to an intuitive way for webpages to be accessed.
- Presented website at University of Kentucky E-day to over 3,000 attendees.
- Participated in peer-code reviews, resulting in code being more performant.

PROJECTS

Serverless Web API | Javascript
2023

- Wrote asynchronous code, allowing backend to be scalable.
- Deployed RESTful API with AWS (API Gateway, Lambda).
- Continuous Integration (CI) using Github webhooks and AWS CodeBuild.
- Built local Development environment using Docker Compose.
- Designed and tested RESTful API using Postman and ExpressJS.
- Unit test code using jest to improve code quality.
- Utilized Bearer Authentication/Authorization with JWT (Json Web Token) to secure API.
- Created data models using Mongoose ODM and MongoDB Compass.

Corgi Prediction | Python
2022

- Implemented a CNN (convolutional neural networks) using PyTorch.
- Performed binary classification on Corgi images, determining whether the breed was Pembroke or Cardigan.

EDUCATION

University of Kentucky (GPA: 3.1)
December 2022
Bachelor's in Computer Science

- Received Honor's Scholarship (Fred and Darlene May ECE Scholarship).

BSCTC Community College (GPA: 4.0)
May 2019
Associate's in Science
Dean's Honor Roll

- One of 2 students chosen at my High School awarded with ECA (Early College Academy).