

Austin Burnett

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TECHNICAL SKILLS

Programming Languages: C/C++, JavaScript, Python, SQL, YAML, Shell Script, Lua

Databases: MongoDB, PostgreSQL

Tools and Technologies: Git, Gitlab, Docker, Kubernetes, Helm, Django, ExpressJS, Postman, Mongoose, Jest, Jira, AWS(Lambda, CodeBuild, CloudWatch), Azure (Blob Storage, Devops)

Industry Knowledge: Cloud Development, API Development, CI/CD, Agile Methodologies, OOP, Microservices

EXPERIENCE

Software Engineer

July 2023

ARA

Raleigh, NC

- Deployed user API from ground up using Django/DRF, K8s, Helm, gitlab ci, and Docker. Allowing user preferences to be persisted.
- Integrated authentication/authorization for user's API using bearer tokens and JWT to secure endpoints.
- Unit tested code using Django, increasing test coverage to 100%.

Software Engineer Intern

June 2021 – Sept. 2021

Bitwerx, Inc.

Lexington, KY

- Refactored the data extraction codebase using C++, 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%.

Open-source Backend Developer

May 2021

couchers

- Unit tested code by using Pytest, increasing unit test coverage.
- Contributed a feature using Flask to notify users when their friend request was accepted.

Computer Science Research Assistant

March 2020 – May 2021

University of Kentucky

Lexington, KY

- Presented web-application at University of Kentucky E-day to over 3,000 attendees.

PROJECTS

Instagram Clone

2023

- Deployed RESTful API with AWS (API Gateway, Lambda).
- Utilized Bearer Authentication/Authorization with JWT (Json Web Token) to secure API.
- Continuous Integration (CI) using Github webhooks and AWS CodeBuild.
- Designed and tested RESTful API using Postman and ExpressJS.
- Created data models using Mongoose ODM and MongoDB Compass.

Canine Breed Prediction

2022

- Implemented a CNN (convolutional neural networks) using PyTorch.
- Performed binary classification on Corgi images, enabling ML model to predict the Corgi breed.

EDUCATION

University of Kentucky

December 2022

Bachelor's in Computer Science

BSCTC Community College

May 2019

Associate's in Science

Dean's Honor Roll