Cameron Thompson

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Work History

Full Stack Web-Dev Intern   **July 2024 – November 2024**

Facility Solutions Group - Austin, TX

- Developed a reporting service for tracking entities with missing IDs, sending real-time alerts to product feedback channels, using Kubernetes and Helm for deployment.
- Built an event driven metadata system with Kafka to attach creation events to the user who initiated the action.
- Improved application flexibility by adding patch support for entities through new endpoints, DTOs, and database migrations.

Chef de Partie   **August 2023 – April 2024**

Barley Swine - Austin, TX

- Directed the sauté station in a high-intensity, Michelin star, farm to table restaurant
- Guided junior sauté line cooks in timing, execution, and endurance in fast paced and difficult environment
- Developed strong leadership, time management, and quick problem solving under pressure.

Projects

p2p-chess - A CLI chess app with Peer-to-Peer and LAN multiplayer/chat   **(C++)**

- Multithreaded to allow for simultaneous local I/O, network I/O, and live engine analysis
- Automatic discovery for LAN and reliable peer to peer connection without a relay server
- Opening recognition system that detects and displays named openings based on a database of FEN strings.
- Customizable UI via a settings file with custom parser, allowing users to modify board and piece color
- Packaged for Ubuntu, Debian, and Arch Linux, installable via APT or Pacman.

Cameronthompson.org - Personal website and blog   **(JS/React/AWS)**

- Serverless architecture, reducing cost and maintenance while ensuring low latency.
- MDX-powered blog with metadata-based sorting and serverless processing via AWS Lambda.
- Dynamically retrieved and rendered content pages for blog posts.
- Fully custom asset and react component library.

Skills

Languages: C++, Java, Bash, SQL, Python, JavaScript, Typescript, HTML, CSS
Databases and data streaming: Postgres, DynamoDB, Apache Kafka
Frameworks and tools: Docker, Azure, AWS, React, NestJs, Kubernetes, Helm
Documentation and Testing: Swagger, Insomnia/Postman
Platforms: Linux/Unix, Windows

Education

Austin Community College   **Graduated Dec - 2024**

Associate of Science in Computer Science