**CYRIL JOHN**

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U.S. Citizen

**EDUCATION**

Texas A&M University Dec **2024**

**BSc Computer Science**, Minor in Business **GPA 3.43**

* **Relevant Coursework**: Discrete Math, Data Structures & Algorithms, Parallel Computing, OOP, Statistics, Database
* **Honor**: Dean’s List 5 semesters, Best Pitch at McFerrin Startup Competition

**EXPERIENCE**

**AAK Telescience** | React Developer                                           Jan 2025 - Present

**Honeywell** | Software Engineer May - Aug 2023

* Built a full-stack CSV editor web app using React and Django to streamline repetitive spreadsheet cleaning tasks for a team of **5** engineers reducing the time to prep a file from **1** hour to under **10** mins
* Designed a React frontend with React Hooks for live table rendering and Axios for API communication, enabling inline cell editing, row-level operations, and real-time CSV state updates
* Developed **5** Django REST endpoints, handling **10,000+** rows files and consulted with a senior engineer to transform data with Pandas by using domain-specific logic

**PROJECTS**

**Hairstylist Matchmaking App** | Swift, Flask, Figma, Jira

* Designed the UI/UX for over 20 pages on Figma of an iOS application that connected users with hairstylists
* Developed **SwiftUI** pages to handle 10+ parameters used in the decision-tree logic to handle matchmaking, discovery pages to find hairstylists, service details pages, user profile editing pages, review posting and viewing pages
* Tested 30+ **Flask** Routes on Postman to configure data and collaborated with 2 students to fix server-side logic
* Wrote networking code with URLSession to communicate with Flask endpoints via JSON and handle all app interactions

**Cloud Metrics Monitor**| Go, Docker, Kubernetes, AWS

* Built a metrics-aggregation microservice in **Go**, layering handlers and workers to ingest, process, and query JSON payloads
* Containerized the codebase with **Docker** and launched replica sets on **AWS EKS** via custom Helm charts
* Integrated unit, integration, and k6 load tests into a GitLab CI pipeline that blocks merges on failure

**Carpool Coordination Service** | FastAPI, PostgreSQL, Docker

* Built an OpenAPI REST layer and implemented 8 **FastAPI** endpoints that let students post, search, and join rides, returning lightweight **JSON** for easy mobile and web consumption
* Designed trips, users, and bookings schema in **PostgreSQL** and added **PostGIS** geospatial indexes, sustaining under **50ms** location queries while load-testing with 10k requests
* Containerized the stack with **Docker/Minikube** and added GitHub Actions for automated tests & image deployment

**LEADERSHIP**

**Engineers Without Borders** | Project Manager

* Directed a team of **50** students and facilitated collaboration with community leaders, NGOs, and INTEC to address open ditches in low-lying areas of a Dominican Republic community through new bridge construction

**TAMU Alumni Center** | Student Ambassador

* Raised **$100,000+** for the Century Club foundation that funds student scholarships, emergency aid and school traditions
* Assisted over **500** former students to set up payment plans and various forms of funding based on preferred gifting levels

**SKILLS**

* **Languages**: Python (Pandas, NumPy, SQLAlchemy), JavaScript, Java, C++, Typescript, Bash, Swift
* **Frameworks & Technologies**: React, Django, Flask, REST, AWS (EC2), FastAPI, Plotly Dash, Docker, Git, PyTorch
* **Tools & Databases**: Tableau, Figma, Jira, PostgreSQL, Supabase, NoSQL, Airflow, Visual Studio