
SUMMARY

Self-taught full-stack developer with a strong commitment to continuous learning and innovation. Seeking a full-time software developer position, bringing strong communication skills and a talent for bridging the gap between technical and non-technical stakeholders.

SKILLS

- Languages: Java, JavaScript, Go, Kotlin
- Web Development: Spring Boot, Node.js, Express.js, React, HTML & CSS, Authentication, RESTful API design
- Database and Cloud: Elasticsearch, PostgreSQL, AWS EC2, AWS, Google App Engine

PERSONAL PROJECTS**&Share****Cloud and React Based Social Network**

- Built a React-based social network web app, enabling users to create, browse, and interact with multimedia posts.
- Enhanced user authentication with a React Router v4 token-based registration/login/logout system, backed by server-side JSON Web Tokens (JWT) for heightened security.
- Developed a Go backend deployed on Google App Engine, integrating Google Cloud services for post management.
- Leveraged Elasticsearch for enhanced search capabilities and as a database, coupled with Google Cloud Storage for multimedia storage and retrieval.
- Enabled advanced search functionalities, allowing users to conduct searches based on keywords or specific users.

EasyOrder**Spring Boot Based Web Application**

- Developed Spring Controller-based RESTful CRUD APIs for user registration, menu search, and checkout.
- Utilized Spring Data JDBC and repositories to interact with a PostgreSQL database hosted on AWS RDS ensuring data management related to menus and restaurants.
- Implemented secure authentication through Spring Security and session-based mechanisms.
- Constructed the frontend using React and Ant Design, facilitating a user-friendly shopping experience.
- Achieved streamlined scalability and accessibility by containerizing the application build, deploying the Docker image to AWS Elastic Container Registry (ECR), and successfully launching it on AWS App Runner.

MiniChat**Web Based AI Agent for PDF Queries.**

- Developed a React-based conversational UI using Ant Design, enabling real-time interaction with PDF documents.
- Implemented RESTful APIs using Express and Node.js, optimizing for efficient request handling.
- Utilized an in-memory vector store to cache generated embeddings, enhancing system responsiveness for quick retrieval of processed data.
- Integrated OpenAI's GPT-3.5 Turbo API, Langchain, Text-to-Speech(TTS) and voice recognition libraries.
- Enabled users not only to type requests and receive text results but also to engage in natural, voice-based interactions with the AI.

GrooveHub**Kotlin Android App**

- Developed an Android music streaming app using Kotlin.
- Leveraged the Android Jetpack Library and Hilt Dependency Injection for robust development.
- Implemented features like BottomBar and App Navigation with the Jetpack Navigation component.
- Created a mock RESTful API with json-server and utilized Retrofit for effective communication with the backend.
- Designed UI for feeds, albums, and favorites in Jetpack Compose, following the MVVM architecture.

TEAM PROJECT**TripPlanner****Go and Google Maps API-Based Application**

- Collaborated in backend development for a trip planning application using Go.
- Designed and implemented PostgreSQL database schema.
- Developed test cases for delete, modify, and generate trip plan functionalities.
- Implemented JWT-based authentication for secure backend operations.
- Integrated Google Maps API to enhance user experience with dynamic location and route planning features.
- Collaborated with the frontend team to ensure seamless communication for API integration and data consistency.

EDUCATION**M.S.Ed in TESOL**

University of Pennsylvania

2012 – 2014

Philadelphia, PA