THITIWORADA KHUMPENG

FULL-STACK DEVELOPER

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I'm a Full Stack Developer with over 3 years of experience in building and maintaining web applications. For the past 4 months, I've also taken on a team lead role while continuing to work hands-on across both frontend and backend development. I have a solid understanding of DevOps practices and ETL pipelines, and I'm passionate about learning new technologies. I'm a fast learner who quickly adapts to new tools and frameworks. I enjoy working closely with my team, solving problems, and contributing to successful projects. I'm always enthusiastic about taking on new challenges and growing as a developer.

KEY ACHIEVEMENTS

- Contributed to an award-winning project that received "*Best in Category – Digitalization Platform*" at The Inspiring Innovation SCGP 2024, by leading backend development and participating in system design, helping deliver a high-performance and innovative software solution.
- Played a key role in a project awarded "*Outstanding in Category – Digitalization Platform*" at The Inspiring Innovation SCGP 2023, focusing on backend development and ETL pipeline implementation to support data-driven functionality.

PROFESSIONAL EXPERIENCE

Full-stack Developer, SCGP   **Jan 2023 - Present**
- Led a team of 2 developers , ensuring smooth collaboration, task management, and timely delivery of features.
- Developed scalable backend services using Python (Django) and responsive frontend interfaces with Vue.js.
- Designed efficient and maintainable database schemas to support application performance and scalability.
- Integrated MQTT protocol for seamless real-time communication with IoT devices.
- Built WebSocket-based real-time dashboards for live data visualization, improving user experience for monitoring systems.
- Set up Apache Airflow (Cloud Composer) for automated ETL pipelines, streamlining data processing workflows.
- Created and maintained CI/CD pipelines using Cloud Build and GitHub Actions, enabling automated deployments to Cloud Run and Cloud Run Jobs.
- Worked with BigQuery, Cloud Storage, and InfluxDB to manage and query large-scale time-series and structured data efficiently.

Full-stack Developer, Jenkongklai   **Jan 2022 - Dec 2022**
- Developed the backend using Python (Flask) and frontend with React.js for a parking fee calculation, payment, and reservation within the MRTA App.
- Developed APIs to communicate with IoT devices in parking lots.
- Implemented Test-Driven Development (TDD) principles and Hexagonal Architecture patterns throughout API development.
- Deploying development and production environments on virtual machines through Docker independently.

SKILLS

- **Computer Languages :** Python, Javascript, Typescript, SQL, HTML, CSS, Go
- **Backend Framework :** Django, Flask, FastApi, Nest.js, Fiber
- **Database :** MySQL, PostgreSQL, MSSQL, Big Query, InfluxDB, MongoDB, Redis
- **Cloud Computing :** Google Cloud Platform (Cloud Run, Compute Engine, Cloud Composer, Cloud Build, Artifact Registry, BigQuery, Cloud Storage, Eventarc)
- **Tools :** Docker, Git, Kafka, RabbitMQ, Jenkins
- **Development Techniques :** Hexagonal Architecture, Test Driven Developtment (TDD)

EDUCATION

B.Eng. Biomedical Engineering   **2017 - 2021**
Srinakarinwirot University (GPAX 3.17)