

Kevin Paras

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 KevinSmhevin

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Work Experience

Software Engineer, Utility Data Exchange *UtilityAPI*

Apr 2025 - Aug 2025

- Worked on a **Django/Python/React** application that provided secure data exchange between electric utility companies and their customers.
- Managed and deployed the application on **AWS EC2**, implementing monitoring and alerting through **CloudWatch** for system health and performance.
- Led migration of customer support operations from an e-ticketing system to a streamlined forms-based platform, improving response efficiency and user experience.

Software Engineer, Digital Products *Tesla Motors*

Feb 2022 - May 2024

- Designed and managed a **Java/Spring** backend application powering real-time tracking for Tesla Powerwall construction projects.
- Integrated with multiple **microservices** by orchestrating **REST** and **GraphQL** calls for efficient data retrieval and workflow automation.
- Designed and optimized relational database schemas using **MySQL**, applying **indexing**, normalization, and query optimization principles to support high volume transactional workloads and data integrity.
- Implemented **Kafka** and **RabbitMQ** for reliable, event-driven messaging, supporting both pub/sub and queue-based processing patterns.
- Developed and maintained a **C#/.NET** application enabling seamless data exchange with partner companies involved in customer project workflows.
- Collaborated closely with product, design, and engineering teams to deliver innovative solutions that improved customer experience and operational efficiency.
- Deployed and operated containerized services using **Docker** and **Kubernetes**, supporting reliable releases, horizontal scaling, and resilient production workloads.

Jr Software Engineer, Digital Products *Tesla Motors*

Dec 2020 - Feb 2022

- Built and tested application automation workflows using **Python**, **Selenium Web Driver** and **Robotic Process Automation (RPA)**.

Skills

Languages: C#, Python, Java, Javascript, C, HTML, CSS

Databases: MySQL, Postgres, MongoDB, Dynamo, S3

Technologies: React, Node, Django, Docker, Kubernetes,

RabbitMQ, Kafka, Redis, Camunda, Splunk, GraphQL

Projects

Portfolio Site (<https://kevincparas.me>)

A personal portfolio website showcasing my software engineering work, side projects, and accomplishments.

Pokebin Ecommerce App (<https://pokebin.app>)

A full stack ecommerce application for selling trading card and collectibles with a **React** frontend using **Vite**, **Tailwind CSS**, and **Axios** and a **Python Django REST** backend, backed by a **Postgres** database and **AWS** infrastructure.

Shorter URL (<https://www.shorter-url.pro>)

A full stack URL shortening service with a **React** frontend and a **FastAPI** backend using **SQLAlchemy** with **SQLite** and **PostgreSQL** support and modern tooling like **Vite**, **Tailwind CSS**, and **Axios** to generate short links with analytics tracking.

Education

Business Administration AA

Aug 2013 - Dec 2016

University Of Arizona Global Campus

6 Month Immersive Software Development Program

Jan 2019 - Jul 2019

Thinkful/Viking Code School