

# FAHIZ KP

Python Developer

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## Education

### Anna University

March 2020

BE Computer Science and Engineering (GPA: 8.3 / 10.00)

Namakkal, Tamilnadu

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Intro to CS II (C++), Linear Algebra w/Computational Applications (Python), IoT, AI, Neural Networks,

## Experience

### Infosys Pvt Ltd

Oct 2023 –

Senior System Engineer

Trivandrum, Kerala

- Designed and implemented an ETL pipeline to transform data from various sources according to the clients' specifications, resulting in a 20% improvement in data flow efficiency and quality.
- Developed new processes and fostered communication among departments. Oversaw and completed an ETL project to integrate, transform, and load data from different sources using SQL and Python scripts into a data lake.
- Orchestrated the migration of data from diverse sources and formats onto Snowflake, a cloud-based data platform, enabling high-performance, scalable, and secure ETL processes resulting in a 20% reduction in data processing time.

### Infosys Pvt Ltd

Mar 2022 – Oct 2023

System Engineer

Trivandrum, Kerala

- Implemented GCP and Kafka to optimize data flow, integrating pubsub, CloudSQL, Firebase, and Cloud Function for diverse data sources and formats, reducing data processing time by 30%
- Performed data transformation into different layers using Databricks and Pyspark for diverse data analytics and machine learning projects as a Data Engineer.

### Links4Engg Pvt Ltd

Apr 2021 – Mar 2022

Software Engineer

Trivandrum, Kerala

- Built and delivered an E-commerce website using Django, and increased performance by 25% through tuning and benchmarking.
- Implemented REST API to connect with the frontend and facilitate data transfer and interaction between the backend and the frontend.
- Enhanced SQL queries to lower page load times by 10% utilizing PostgreSQL as the database system.

### Zewia Software Solutions

May 2020 – Apr 2021

Junior Software Engineer

Ernakulam, Kerala

- Created and maintained an E-commerce website using Django, and enhanced performance by 30% through debugging and refactoring.
- Improved SQL queries to decrease page load times by 10% with PostgreSQL as the database system.

## Projects

### ETL | Snowflake, ETL, SQL, Python, Teradata, putty, winScp

- Led the development of a microservices-based e-commerce platform using Node.js, resulting in a 40% increase in daily transactions within the first quarter.
- Leveraged Snowflake as the data warehouse solution for an ETL project, where I integrated, processed, and analyzed data from multiple sources and formats, enabling data sharing and accessibility.

### GCP | Pubsub, Kafka, Firebase, Google Cloud, Cloud function, google bucket

- Developed a data pipeline using Pubsub and Kafka to stream data from various sources, and used Firebase, Google Cloud, Cloud Function, and Google Bucket to store, process, and analyze the data.
- Designed and implemented a cloud-based architecture using Google Cloud products and features, following the best practices and recommendations of the Google Cloud Architecture Framework.

### Ecommerce | Python, Django, RestApi, postgres, Pandas, Numpy, github, git

- Delivered an E-commerce website using Python and Django, and created a REST API to enable data exchange and interaction between the frontend and the backend .
- Used PostgreSQL as the database system, and performed data analysis using Pandas and Numpy. Managed the code using GitHub and Git.

**Online Exam** | *Python, Django, Jinja2, postgres, bootstrap, jQuery, JavaScript, CSS, GitHub, git.*

- Built an online MCQ exam system using Django and Jinja2, implemented a responsive interface using Bootstrap, jQuery, JavaScript, and CSS., utilized PostgreSQL as the database system, and handled the code using GitHub and Git.

**Online News blog** | *Python, Django, Jinja2, postgres, bootstrap, jQuery, JavaScript, CSS, GitHub, git, AllAuth, TinyMCE, render*

- Deployed an online news system using Render, built the backend using Python, Django, Jinja2, and PostgreSQL, Designed the frontend using Bootstrap, jQuery, JavaScript, and CSS, implemented AllAuth and TinyMCE for authentication and text editing, and Handled the code using GitHub and Git.

**AI-Home Equipment controller** | *Python, Raspberry Pi 4, OpenCv, IoT, bolt cloud, Pandas, Haar Cascading Algorithm, metaplot, numpy*

- Created an AI-Home Equipment controller using Python and Raspberry Pi 4, and integrated a Camera Module to identify objects and gestures
- Operated home appliances using relays and IoT technology, and linked to the bolt cloud for remote monitoring, Leveraged Pandas, OpenCV, matplotlib, and numpy for data analysis and display., implemented AllAuth and TinyMCE for authentication and text editing and executed the Haar Cascading Algorithm for face and gesture identification.

## Technical Skills

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**Languages:** Python, JavaScript, SQL, NoSQL, JSON

**Technologies:** Django, Flask, Pandas, Numpy, metaplot, OpenCv, Scikit-learn, Seaborn, GCP, Pyspark, Snowflake, Putty, Ubuntu, WinScp, RestApi, PubSub, Google CloudSQL, Google Cloud Function, Firebase, Shell Script, Google Bucket, Github, git, Gitlab, Bitbucket, Express.js, React.js, TensorFlow, PyTorch, jQuery, Bootstrap, Node.js, Apache, Nginx, MongoDB, Docker, Kubernetes, Kafka

**Concepts:** IoT, Web development, Data Engineering, ETL, Data Structure and Algorithm, Image Processing, Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing, Microservices architecture, methodologies of Continuous Integration and Continuous Deployment

## Soft Skills

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**Languages:** English, Malayalam

**Skills:** Communication skills, Teamwork, Drive and Initiative

## Address

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Kondotti Paramban (ho),

Pullara, Velluvambran (po), Malappuram, 673642 (pin)

Kerala, India