

# Austin Gathii

## Software Engineer

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🔗 Personal Website

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### PROFILE

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I am a software engineer currently working as a front-end developer, specializing in React and TypeScript. My primary passion is machine learning and associated technologies which I have expressed through python-based personal projects.

I am passionate about the future of computer technology and I enjoy working in organizations where I can meaningfully contribute to that future.

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### PROFESSIONAL EXPERIENCE

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#### Senior Frontend Developer

May 2023 – present

*Leta.ai* 

- Developed, maintained, and managed a comprehensive logistics management platform utilizing React and TypeScript.
- Integrated backend services via gRPC and implemented new features
- Optimized performance and resolved bugs to enhance system efficiency and user experience.

Nairobi, Kenya

#### Web Developer

Sep 2022 – May 2023

*Standard Media Group PLC* 

Nairobi, Kenya

- Maintained and debugged large API codebases built in Laravel
- Managed media websites with medium to high levels of user traffic using Laravel and Vue.js
- Rebuilt an obsolete event ticketing website in Laravel

#### Data Analyst

Mar 2022 – Aug 2022

*Microhouse Technologies*

Nairobi, Kenya

- Managed, cleaned and maintained a large SQL database of user data in a team with 2 other engineers
- Analyzed said database to extract and derive trends and predictive data and used the matplotlib library in Python to visualize it.

#### Web Developer

Jan 2020 – Apr 2020

*Smart Data Analytical Limited*

Nairobi, Kenya

- Developed a travel blogging site for a client based on Wordpress and created custom PHP plugins to fulfill more specific client requirements.
- Designed basic graphics and illustrations for an institution's website using Adobe Illustrator.

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### EDUCATION

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#### Bachelor of Science, Informatics and Computer Science

2018 – 2022

*Strathmore University*

Nairobi, Kenya

Earned a bachelor's degree in Computer Science over the course of 4 years that included courses on the fundamentals of computer technology as well as several specializations in the field such as mobile development, web development and database management.

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## PROJECTS

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### Arbora

Jun 2024 – Aug 2024

- Developed Arbora, an AI-powered study webapp using the Gemini API to generate flashcards and questions from users' notes, continuously assessing understanding through interactions.
- Implemented an intuitive UI representing documents as trees, with foliage color indicating knowledge retention, allowing users to easily track their learning progress.

### VoteTallyKE

Aug 2022 – Sep 2022

- I built a computer vision system for locating and recognizing handwritten digits on scanned forms then tallying the figures with 95% accuracy.
- The input dataset was the publicly available polling station forms for the recently concluded 2022 Kenyan General Elections

### Personal Website

May 2022 – Jul 2022

- I created fully responsive Javascript-based developer portfolio website built on the React framework with SCSS for styling.
- The website is highly customizable which also allows it to serve as a template for other developers.

### Attendance Tracking System

Jul 2021 – Feb 2022

- I built a python based computer vision and machine learning system that performs facial tracking and recognition for my final year university project.
- It integrates with a camera and touchpad to provide attendance tracking of personnel within an organization or enclosed area with specific entry points

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## SKILLS

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### Programming Languages

Python, Typescript, Javascript, PHP

### Front End

React, SCSS, Bootstrap, HTML, CSS

### Databases

SQL, SQLite, MongoDB

### Back End

Laravel, FastAPI