

Tony K Sebastian

Python Developer | Django | Backend & Full-Stack

London, UK | tonyksebastian0@gmail.com | +44 7344885061 | linkedin.com/in/tonyksebastian | github.com/Tonyksebastian

PROFILE

MSc Software Engineering graduate (Merit, University of West London) with commercial experience developing Python and Django applications across the full software development lifecycle. Skilled in Python, Django, SQL, REST APIs, and Git, with experience building client-facing applications, ERP modules, and open-source projects. Highly motivated, enthusiastic, and eager to contribute, learn, and grow within a dynamic software engineering team. Eligible to work in the UK under a Graduate Visa.

SKILLS

Languages: Python, JavaScript, Java, SQL, HTML/CSS

Backend: Django, REST APIs, MVT architecture, TDD

Frontend: React, Next.js, Bootstrap

Databases: MySQL, SQLite - schema design, relational modelling, query optimisation

Cloud & DevOps: AWS (EC2, S3), GitHub Actions CI/CD, Docker (basics), Linux

Tools & Process: Git, JIRA, Agile/Scrum, Code Review, Selenium

WORK EXPERIENCE

Junior Software Developer

Mar – Jun 2024

Coral Business Solutions - Aluva, India

HTML/CSS | JavaScript | SQL

- Built client-facing web applications end-to-end from relational database design through to front-end delivery across 5+ active ERP client accounts.
- Designed SQL schemas supporting concurrent multi-user access, and translated client requirements gathered directly from stakeholders into working technical specifications.
- Investigated and resolved production incidents through root cause analysis with minimal service disruption, managed version-controlled releases with structured code reviews across Agile sprints.
- Built Python ETL scripts to automate data ingestion for client reporting, removing manual processing steps.

Online Shopping & Floor Associate

2024 – Present

Sainsbury's Beckton, London

- Operate within a structured, process-driven workflow requiring sustained accuracy under time pressure.

PROJECTS

Open-Source Multi-Tool Web Platform (Active Contributor)

March 2026

Next.js | TypeScript | Python | Tailwind CSS | GitHub Actions

- Contribute to a live, MIT-licensed developer productivity platform shipping 9 tools in production across PDF, image, data, security, and developer-utility categories, including a SQL/Python data analysis tool and an API-key/secrets redaction scanner.
- Built modular Next.js/TypeScript frontend components and Python processing logic that runs entirely client-side via Pyodide (Python compiled to WebAssembly) a 100% client-side architecture with zero backend and no file uploads.
- Multiple pull requests merged through peer code review; coordinate CI/CD pipeline runs via GitHub Actions and manage sprint tasks via JIRA.

Fake News Detection - Deep Learning Web App

MSc Dissertation, 2025

Python / Django / TensorFlow/Keras / HuggingFace / Transformers / SQLite

- Built a Django web application (MVT architecture) integrating two trained classifiers - LSTM and fine-tuned BERT that returns a real-time prediction and confidence score in under 3 seconds.
- Designed the full backend pipeline: text preprocessing, model inference routing, source-credibility scoring, and a feedback module storing user responses in SQLite for future model refinement.
- Integrated the Google Programmable Search API as a backend service to retrieve related articles for cross-referencing submitted content.

IMS Connect – Theater Seat Booking App

React / Firebase / Bootstrap 5 / JWT / Node.js

- Built a full-stack single-page application enabling users to browse shows, select seats on an interactive seat map, and confirm bookings in real time
- Implemented JWT-based user authentication with secure session management and protected routes using React Router.
- Integrated Firebase Firestore for live seat availability updates, ensuring booking state is synchronised across concurrent sessions
- Designed a responsive UI using Bootstrap 5 and React-Bootstrap, optimised for both desktop and mobile
- Deployed to Firebase Hosting with a Node.js layer handling API and token management

Plugspot - EV Charging Station Finder & Booking Platform

Python / Django / SQLite / REST APIs

- Designed a 6-table relational schema (Users, Station Owners, Bookings, Payments, Payment Card, Feedback) supporting three user roles – Customer, Station Owner, and Admin
- Built a slot booking system enabling vehicle owners to search, book, update, and cancel EV charging or service station slots, with station owners able to approve and manage reservations in real time
- Integrated Razorpay API to handle end-to-end payment processing, recording transaction date, time, station, and status, with confirmation returned to the user on successful payment
- Embedded Bing Maps API to display nearby charging and service stations geographically, allowing users to locate, view details, and select a station visually before proceeding to booking
- Developed an Admin panel for user management, station monitoring, booking oversight, and payment reporting, alongside a Feedback module enabling customers to submit ratings and reviews.

INTERNSHIPS

Python / Django Intern - 90 Days

Hexcent Pvt. Ltd. - Kalloor, India

- Developed a full-stack Rent-a-Car web application using Django, Python, HTML, CSS, and SQLite for managing vehicle listings and rental operations.
- Implemented user authentication and database-driven CRUD functionality for efficient management of cars and related data.
- Designed a responsive web interface and integrated Django's admin panel for seamless content and media management.

EDUCATION

MSc Software Engineering

2024 – 2025

University of West London, Ealing, UK

Integrated MCA (BCA + MCA)

2019 – 2024

Amal Jyothi College of Engineering, Kerala Technological University, India

CERTIFICATIONS

- AWS Certified Cloud Practitioner – Amazon Web Services, 2023