# **Henry Arnold**

**Backend Software Development Engineer**

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## **Skills**

### **Technical Proficiencies**

* **Languages**: Python, JavaScript, SQL, Bash
* **OS:** Linux
* **Frameworks**: Django, Flask, Node.js, Express.js
* **Environments**: Visual Studio Code, Docker
* **Databases**: MySQL, PostgreSQL
* **Tools**: Git, Unit & Integration Testing, RESTful APIs

### **Core Competencies**

* **Algorithms & Data Structures**
* **Software Architecture**
* **API Development**
* **Authentication & Security (JWT)**

## **Project Experience**

### **Online Wallet Application**

**Role**: Backend Developer

**Link:** github.com/devharnold/earwall

**Technologies**: Python (Flask), PostgreSQL, Kafka, Ethereum.

* Developing a digital wallet for P2P electronic fund transfers, crypto transactions, and subscription management.
* I am focused on security features like KYC/AML and 2FA.

### **Virtual Travel Assistant**

**Link:** github.com/devharnold/ha-ta

**Role**: Backend Developer

**Technologies**: Node.js, Express.js, MySQL, Docker

* Developed a flight search tool that processes real-time data from the Amadeus API.
* Helps users find deals that will suit them for a seamless travel experience.

## **Education**

### **KCA University**

*Information Technology*

*2023 - 2026*

* In-depth studies in computer programming, computer networking, financial management, and data structures.

### **ALX & HOLBERTON**

*Computer Software Engineering Nano-Degree*

*2023 - 2024*

* Specialized in Backend Development. Acquired skills in Python and bash scripting, JavaScript (Node.js) and MySQL.
* Learnt how the HTTP/S protocols work, and the Domain Name System.
* Gained problem-solving skills, teamwork, and effective communication techniques through various collaborative projects.
* Developed an Airbnb clone project.

## **Overview**

As a highly motivated Backend Software Development Engineer, I am driven by the desire to solve real-world problems through technology. I have strong expertise in building scalable, secure backend systems with a focus on clean, efficient code. I thrive in collaborative environments and am always seeking opportunities to expand my knowledge and contribute to impactful projects.

## **Additional Information**

* **Languages**: English (Fluent)
* **Availability**: Immediate.

### **References**

Available upon request.