

## CONTACT DETAILS

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-  London, England
-  [linkedin.com/in/rui-seca/](https://linkedin.com/in/rui-seca/)
-  [portfolio-showcase.netlify.app](https://portfolio-showcase.netlify.app)

## SKILLS

### Programming Languages:

- JavaScript/TypeScript
- Python
- C#/.NET
- C++
- Dart
- PHP
- HTML5/CSS3

### Frameworks & Libraries:

- React.JS
- Flask
- Flutter
- Xamarin Forms
- Express.js
- Node.js
- Chart.js

### Databases:

- SQL database
- Firebase
- MongoDB
- Microsoft Azure
- Azure Cosmos DB

### Development Tools:

- Git/GitHub
- Visual Studio
- VS Code
- Android Studio
- RESTful API
- FFmpeg
- OAuth2 Authentication

### Security & Performance:

- CSRF Protection
- Authentication Systems
- Session Management
- Secure Coding Practices
- Multi-threading
- API Integration
- Fault-tolerant Processing

## LANGUAGES

## Seeking a junior software developer position

## PERSONAL STATEMENT

Aspiring Junior Software Developer with a solid academic background in Computer Science and hands-on experience developing cross-platform mobile and web applications. Currently pursuing an MSc in Cyber Security while building expertise in full-stack development across multiple technologies including Python, .NET Framework, React.js, Flask, and Flutter. Experience with automation systems, API integrations, and developing secure applications. Skilled in creating user-centered solutions with a focus on security, performance optimization, and scalable architectures. Seeking an entry-level position to contribute effectively to software development while expanding technical knowledge in a professional environment.

### **SolarVita - Mobile Fitness & Sustainability Application**

**Technologies:** Flutter, Dart, Provider, RESTful APIs, ExerciseDB API, TheMealDB API, Google Vision API

A comprehensive mobile application that combines fitness tracking with eco-consciousness, providing users with a sustainable approach to health and wellness.

#### Key Features:

- Exercise database integration with real-time data fetching
- Multi-language support with localization in 10 languages
- Dynamic dark and light theme management
- Personalized workout tracking and progress monitoring
- Eco-friendly tips integrated throughout the fitness journey
- AI assistant for workouts and image calories analyzer
- Meal planning with environmental impact metrics

GitHub: <https://github.com/RuiSeca/SolarVita>

Live Demo: [Appetize.io Demo](https://Appetize.io/Demo)

### **Savannah Bites - Full Stack Restaurant Platform**

**Technologies:** MongoDB, Express.js, React.js, Node.js, Stripe API, JWT Auth, Nodemailer, RESTful API

A fully functional restaurant website with integrated ordering system, payment processing, and automated communications to streamline restaurant operations.

#### Key Features:

- Secure client data storage with MongoDB Atlas
- Robust server-side operations with Node.js
- Seamless frontend-backend integration using RESTful APIs
- Secure payment processing via Stripe gateway
- Automated order confirmation emails

GitHub: <https://github.com/RuiSeca/savannah-bites>

Live Demo: <https://savannah-bites.onrender.com/>

Portuguese (mother language)  
English (fluent)  
Spanish (intermediate)

INTERESTS

Extra activities: swimming, piano, dancing, gym, etc.

Traveling:  
Portugal, Spain, France, Denmark, Switzerland, Netherlands, Sao Tome and Principe

RUI SECA

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SKILLS

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- Flask
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- Chart.js

Databases:

- SQL database
- Firebase
- MongoDB
- Microsoft Azure
- Azure Cosmos DB

YouTube Content Automation System - Full-Stack Automation Platform

**Technologies:** Python, Flask, JavaScript, RESTful APIs, OAuth2, FFmpeg, Threading, Chart.js, CSS

A comprehensive web application that automates the entire YouTube content creation pipeline, from content ideation to publishing, supporting both standard videos and Shorts format.

Key Features:

- Flask-based web interface with responsive design
- Real-time job tracking system with progress visualization
- Multi-threaded processing for concurrent video generation
- Integration with AI services (OpenAI, ElevenLabs)
- Specialized interfaces for standard videos and YouTube Shorts
- Comprehensive analytics dashboards for video performance metrics
- Secure YouTube API authentication
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GitHub: <https://github.com/RuiSeca/youtube-automation>

CSRF Attack Demonstrator - Educational Security Platform

**Technologies:** PHP, MySQL, JavaScript, HTML5, CSS3, PDO, MySQLi, Session Management, CSRF Protection

An educational web application demonstrating Cross-Site Request Forgery (CSRF) vulnerabilities and protection mechanisms through practical examples, developed as part of MSc Cyber Security coursework.

Key Features:

- Dual transfer systems: vulnerable and secure implementations
- Real-time balance tracking and transaction history
- Automatic detection and reversal of unauthorized transfers
- Interactive CSRF attack simulation
- Multiple test user accounts for comprehensive testing

GitHub: <https://github.com/RuiSeca/CSRF-attack>

Live Demo: <http://crfs.infinityfreeapp.com/public/index.php>

University Projects

InstaFood - Mobile Commerce Solution

**Technologies:** Xamarin Forms, Firebase, C#, HTML, CSS

A cross-platform mobile application that connects local restaurants with customers, enabling digital menu browsing and online ordering through an intuitive interface.

Key Features:

- Restaurant profile and menu management system
- User authentication and profile management
- Real-time order processing and tracking
- Responsive design for multiple device sizes
- Secure data storage with Firebase

Car Sale App

- Simulated a car sales environment with dynamic offers and special conditions based on car make and model.
- Technologies: C#, SQL Server Databases (T-SQL)

Development Tools:

- *Git/GitHub*
- *Visual*
- *VS Code*
- *Android Studio*
- *RESTful API*
- *FFmpeg*
- *OAuth2 Authentication*

Security & Performance:

- *CSRF Protection*
- *Authentication Systems*
- *Session Management*
- *Secure Coding Practices*
- *Multi-threading*
- *API Integration*
- *Fault-tolerant Processing*

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Switzerland, Netherlands, Sao Tome and Principe

Education

<i>Anglia Ruskin University</i> <i>Cambridge, England</i> <i>Bachelor of Science - BEng (Hons)</i> <i>Computer Science</i> <b>September 2020 - July 2023</b>	<b>University of Surrey</b> <i>Surrey, England</i> Master of Science - Cyber Security <b>September 2024 - September 2025 (In Progress)</b>
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WORK HISTORY

<b>Estates &amp; Management Limited</b> <b>London, England</b> <b>Administrator, Credit Control Department</b> <b>August 2023 – Present</b>	<i>Manage credit control procedures for freehold and leasehold properties</i> <i>Utilize advanced Excel reporting and data analysis through Cube platform</i> <i>Communicate effectively with customers to resolve financial queries</i> <i>Process financial transactions with attention to detail and accuracy</i>
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