

RUI SECA

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WEBSITE & SOCIALS

[LinkedIn](#)

[Portfolio | London, England](#)

PROFESSIONAL SUMMARY

MSc Cyber Security graduate (Sept 2025) with proven ability to build full-stack applications and automate workflows. Reduced manual processes by 20% through VBA automation in current role while developing modern web and mobile applications using React, Node.js, Flutter, and cloud technologies. AWS certificates and eager to contribute to a software engineering team.

EDUCATION

Master of Science - Cyber Security

Sep 2024 - Sep 2025

University of Surrey, England - University of Surrey, England

- Focus on secure software development, web application security, and cloud security architecture
- Capstone: Built CSRF attack demonstrator to educate developers on transaction security vulnerabilities

Bachelor of Science - Computer Science

Sep 2020 - Jul 2023

Anglia Ruskin University - Cambridge

- Specialized in full-stack development and software engineering principles

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C#, Dart, SQL, HTML/CSS, PHP

Frontend: React.js, Flutter, Responsive Design, REST API Integration

Backend: Node.js, Express.js, ASP.NET, Flask, RESTful API Development

Databases: Firebase, MongoDB, SQL Server, MySQL

Cloud & Tools: AWS (Cloud Architecting, Security Foundations), Azure, Git/GitHub, Visual Studio, VS Code

Testing & Security: Unit Testing (Jest), Web Security Protocols, CSRF Protection, OAuth2 Authentication

Other: VBA (Excel Automation), Agile Development, API Design, Multi-threading

WORK EXPERIENCE

Administrator, Credit Control Department

Aug 2023 - Present

Estates & Management Limited - London

- Automated data entry processes using VBA, reducing manual workload by 20% and improving accuracy across financial reporting
- Collaborated with IT teams to test system improvements and document process inconsistencies, contributing to enhanced workflow efficiency
- Managed BACS payment processing and account reconciliation, ensuring data accuracy for high-volume transactions
- Created validation procedures for financial transactions, reducing errors in payment allocation

CERTIFICATES

- AWS Academy Cloud Architecting | AWS Academy Graduate | 2025
- AWS Academy Cloud Security Foundations | AWS Academy Graduate | 2025
- Architectural Thinking for Security | IBM | 2024

ADDITIONAL INFORMATION

Languages: English (Fluent), Portuguese (Native), Spanish (Conversational) Availability: Immediate | Notice Period: 4 weeks | Right to Work in UK (No sponsorship required)

Cobble – Location-Based Audio Storytelling App (Freelance QA / Junior Dev Support) Nov 2025 – Present

Technologies: Flutter, Firebase, Android, iOS, GPS, In-App Purchases

- Conducted real-world, on-location testing of GPS-triggered audio walks across London
- Identified critical session-handling and navigation issues affecting active walks
- Reported bugs with clear reproduction steps, severity ratings, and evidence
- Tested cross-platform behaviour (Android & iOS), including sandbox purchase flows
- Collaborated directly with the product lead using Trello and structured QA workflows

SolarVita - Mobile Fitness & Sustainability Application | 2025

Technologies:

Flutter 3.6+, Dart, Firebase (Auth, Firestore, Cloud Functions, Realtime Database), Google Gemini AI, Provider + Riverpod

- Built comprehensive cross-platform fitness app with **AI-powered coaching** (Google Gemini 1.5) for personalized workouts, meal planning, and sustainability insights
- Architected real-time community features including tribes, challenges, and Firebase Realtime Database chat with 50+ exercise routines
- Implemented robust state management using Provider + Riverpod with offline-first architecture, response caching, and SharedPreferences for data persistence
- Integrated multiple REST APIs (ExerciseDB, Nutritionix, Google Vision for food recognition) with comprehensive error handling and structured logging
- Conducted extensive cross-platform testing across iOS and Android emulators to ensure performance optimization and consistency
- Designed privacy-first user controls with **11-language internationalization** and dynamic light/dark theming

[GitHub](#) | [Live Demo](#)

Savannah Bites - Full-Stack Restaurant Platform | 2024

Technologies: MongoDB, Express.js, React.js, Node.js (MERN), Stripe API

- Built complete restaurant ordering system with secure payment processing and customer data management
- Designed RESTful API backend with MongoDB for order tracking, inventory, and user authentication
- Implemented unit testing for critical backend services to ensure data integrity

[GitHub](#) | [Live Demo](#)

YouTube Content Automation Platform | 2024

Technologies: Python, Flask, REST APIs, OAuth2, Multi-threading

- Engineered automation system reducing video posting workflow from 2 hours to 20 minutes (83% time reduction)
- Implemented multi-threaded processing for concurrent video editing, voiceover generation, and upload scheduling
- Integrated YouTube Data API with OAuth2 authentication for secure content management

[GitHub](#)

CSRF Attack Demonstrator - Security Education Platform | 2025

• Technologies: PHP, MySQL, JavaScript, Web Security Protocols

- Developed educational platform demonstrating Cross-Site Request Forgery vulnerabilities in banking transactions
- Implemented both vulnerable and protected versions to illustrate security best practices
- Created interactive tutorials explaining token-based CSRF protection mechanisms

[GitHub](#) | [Live Demo](#)