



MATTHEW SCHRAMM

Full-Stack Developer
Project Manager
BCom Honours in
Information Systems at
the University of Cape
Town

CONTACT

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🌐 <https://matthew-schramm-portfolio.onrender.com>

📍 20 Ben Avenue, Vredehoek

SKILLS

- Full-Stack Development
- API Integration
- Agile Collaboration
- Problem-Solving
- Business Solution Creation

LANGUAGE

- English

INTERESTS

- Gym
- Rugby
- Gaming
- Technology

PERSONAL STATEMENT

I am a BCom Honours student in Information Systems at the University of Cape Town with a strong academic foundation in computer science and applied business computing. My passion lies in building innovative, scalable, and user-focused digital solutions that bridge technical development with real-world impact. Through both academic and independent projects, I have gained hands-on experience in full-stack development and systems integration. My portfolio includes projects such as website development, a cloud-based vehicle rental platform, and an SAP-integrated billing system, redesign, showcasing my ability to deliver solutions across diverse industries. I bring a technical toolkit that includes React, Node.js, Firebase, SQL/NoSQL, Python, and Spring Boot, complemented by experience in Agile teamwork and process optimisation. Reliable, detail-driven, and adaptable, I am eager to contribute my skills to a forward-thinking technology-driven organisation, where I can continue to grow while creating measurable business value.

TECHNICAL SKILLS

Languages

- Java, Python
- Javascript, Typescript
- SQL, NoSQL

Frameworks/Tools

- Frontend: **React**, Vue.js
- Backend: **Node.js**, Springboot
- Tools: **Git**, **Jira**

Other

- **Agile project management**
- Business Analysis
- Data Protection

EDUCATION

Higbury Preparatory School 2009 - 2016

- Grade R to Grade 7
- 1st Team Rugby
- Headmaster's Award for Cultural and Social Responsibility

Kearsney College, Bothas Hill 2017 - 2021

- Grade 8 to Grade 12 IEB
- Academic Half Colours
- Completed Dale Carnegie in Grade 11

University of Cape Town Undergrad 2022 - 2024

- BCom in Computer Science & Information Systems
- Experience in Python, Java, React, Vue.js, Springboot, Javascript, project management and process redesign.
- Capstone UCT Advisor booking system

University of Cape Town Honours 2025 - 2026

- BCom Honours in Information Systems
- Experience in Vue.js, React, Springboot, Firebase NoSQL, Node.js
- System Development Creation for Impact.com - frontend and backend development

EXPERIENCE

UCT Honours System Development Project (2024 – Present)

- Developing a location-based social media affiliate marketing system using Vue.js, Spring Boot, and Firebase NoSQL.
- Implementing real-time geolocation validation, role-based access control, and API integrations.
- Collaborating in an agile team to deliver industry-grade, production-ready solutions.

UCT Academic Projects (2022 – 2025)

- Capstone – Academic Advisory System: Built a fully layered MVC system with student booking, chat, file sharing, and degree planning using Vaadin & SQL.
- Network Messaging Platform: Engineered a peer-to-peer messaging app in Python using TCP/UDP protocols with encryption and peer discovery.
- ESEFA Billing Workflow Redesign: Re-engineered SAP ERP billing workflows, improving efficiency by 40% through automation.
- Honours Thesis (2025): Investigating the Privacy Paradox among Young Users of Digital Platforms, bridging behavioural insights with compliance.

Community Tutor – Langa Township, Cape Town (2024 – Ongoing)

- Volunteering as a tutor in Microsoft Office and beginner coding for underprivileged youth.
- Supporting digital literacy and problem-solving skills development in learners.

KEY PROJECTS

Amplify – Location-Based Social Marketing Platform (Honours Project – In Development)

- Built in collaboration with Impact.com to gamify influencer marketing.
- Integrated 6 APIs (Instagram, Google Maps, OAuth, etc.) with real-time geolocation validation and automated campaign tracking.
- Features responsive dashboards, role-based access control, and 95% automation.
- Stack: Vue.js, Springboot, Firebase.

RentARYde – Vehicle Rental Platform (In Development)

- Full-stack platform for off-road vehicle rentals with real-time availability, dynamic pricing, and document upload.
- Designed cloud-based booking system to handle scalable usage.
- Stack: Vue.js, Node.js, Firebase.

Watersong Family Farm Website (Complete)

- Private family retreat platform with secure invitation-only access.
- Built booking workflows, user authentication, and elegant gallery systems with privacy-first principles.
- Stack: React 18, TypeScript, Supabase

UCT Academic Advisory System (Capstone Project – Completed)

- Robust advisory system with meeting scheduling, real-time chat, file sharing, and smart degree planning assistant.
- Designed using layered MVC architecture with secure role-based access for 3 user types.
- Stack: Vaadin framework, Node.js, SQL.

Additional case studies, technical details, and live demos are available in my portfolio:

matthew-schramm-portfolio.onrender.app.

SUPPORTING DOCUMENTS

- References and supporting documentation available on request.