Hi, I'm:

Matthew Schramm

Project Manager & Full-Stack Developer

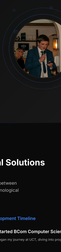
Full-Stack Development | System Architecture | Process Optimization

BCom Computer Science & Information Systems Honours student at UCT, specializing in creating scalable business solutions. Driven through modern web technologies. From Vue.js frontends to Springboot backends, I help transform complex business challenges into elegant digital experiences.

Open to Work | Available for Internships

15 Projects | 8 Technologies Mastered | 3 Years Experience

Explore My Work | Download CV | Let's Connect



About Me

Transforming Ideas Into Digital Solutions

A passionate developer who bridges the gap between complex business challenges and elegant technological solutions

My Journey

Currently pursuing my **Information Systems Honours** at UCT, I've evolved from a curious student into a full-stack developer who specializes in creating scalable business solutions. My journey spans from **Python network applications** to **Vue.js enterprise platforms**, always with a focus on real-world impact and business value.

Strategic Thinking
I approach every project with a business first mindset, understanding that great code and business solutions solve real problems.

Technical Excellence
From Springboot backends to Vue.js frontends, I build robust, maintainable systems that scale.

Process Innovation
I redesign business processes, cutting inefficient workflows from streamlined digital experiences.

My Timeline

2024 — **Started BCom Computer Science**
Began my journey at UCT, diving into programming fundamentals.

2024 — **Full-Stack Development**
Mastered core computer science and information system fundamentals, and started working on projects.

2024 — **Business Solutions Focus**
Started and completed my final year of my undergraduate degree, building full stack applications and working on business solutions and redesigns for real business application.

2025 — **Honours & Innovation**
Starting my honours and currently developing cutting edge solutions like the traffic platform while working on my thesis.

Core Expertise

- Full-Stack Development
- System Architecture
- Process Optimization
- Business Analysis
- Project Management

Academic Excellence
BCom Computer Science & Information Systems graduate, consistently achieving Honours.

Real-World Impact
Delivered 15+ projects from network applications to enterprise platforms.

Community Engagement
Active in tech mentorship, tutoring underprivileged students in college.

Innovation Mindset
Always seeking new ways to solve problems and improve existing systems.

Ready to collaborate?

I'm always excited to work on challenging projects that make a real difference.

Let's Build Something Great!

Skills & Technologies

Technical Arsenal

A comprehensive toolkit for building scalable, modern applications from concept to deployment

Core Technology Stack

React Frontend — Modern UI/UX, SPAs — Expert 90%
Node.js — Backend development — Expert 85%
Firebase — NoSQL Database — Expert 90%

Frontend Development

Building engaging user experiences

HTML5	CSS3	JavaScript	React	Vue.js
Expert	Expert	Expert	Expert	Advanced
5 years	5 years	5 years	3 years	2+ years
95%	95%	90%	85%	75%

Backend Development

Building robust server-side solutions

Python	Java	Node.js	Firebase	SQL
Expert	Expert	Expert	Expert	Advanced
5+ years	5+ years	5+ years	5+ years	2+ years
85%	85%	85%	90%	75%

Tools & Management

Streamlining development workflow

Git	Project Management	Scrum & Jira	Process Redesign
Expert	Advanced	Advanced	Advanced
5+ years	3+ years	3+ years	3+ years
90%	75%	75%	75%

15+ Technologies | **3+** Years Experience | **5+** Major Projects | **100%** Passion Driven

Featured Projects

Building Digital Solutions

A showcase of full-stack applications, business solutions, and innovative platforms that solve real-world problems

All Projects | Web Applications | Business Solutions | Platforms

Amplify - Location-Based Social Marketing Platform

Live Project Proposal

A scalable, gamified influencer marketing platform built in collaboration with **Impact.zero**. Amplify enhances real-time, location-driven brand engagement by empowering micro-influencers and everyday users to participate in local campaigns, earn instant rewards, and foster authentic peer-to-peer marketing.

- Real-time Geolocation Validation
- Automated Campaign Tracking
- Geo-based Access Control
- Responsive Multi-Dashboard UI

FRONTEND: React, Tailwind
BACKEND: Node.js, Express.js
APIS: Google Maps API, Google Places API, Google Authentication
MANAGEMENT: Jira, Scrum, Trello

6 APIs Integrated | 3 User Roles | 95% Automation

Completed

Watersong Family Farm Website

Client Project Portfolio

A sophisticated private family farm retreat website featuring comprehensive booking systems, user authentication, and elegant galleries. Built with privacy-first principles for hospitality-only access.

React.js | Firebase Auth | Firebase | CSS Grids

Tech Stack: 16 Technologies | Features: Real-time Booking

Prototype

UCT Academic Advisory System

Capstone Project

A robust academic advisory system with meeting scheduling, real-time chat, file sharing, and a sophisticated rating system. Features secure role-based access for all user types.

Angular Frontend | Node.js | Firebase | CSS Grids

Architecture: Layered MVC | Users: 4 Role Types

Prototype

RentARide Vehicle Rental Platform

Client Project Idea

A scalable vehicle rental platform for off-road enthusiasts with real-time availability, dynamic pricing, document upload, and comprehensive booking management system.

React | Firebase | Node.js | CSS Grids

Features: Dynamic Pricing | Storage: Cloud-based

Completed

Network Messaging Platform

Client Project Portfolio

A secure peer-to-peer messaging system using TCP/UDP protocols with encrypted logins, online presence, and file sharing capabilities.

Python | Tkinter | Thread Programming | CSV Files

Protocol: TCP/IP | Security: Encrypted

Prototype

ESEFA Billing Workflow Redesign

Client Project Idea

Redesigned annual customer billing process addressing inefficiencies in meter reading, payment details, and stakeholder communication with SAP ERP integration.

Office Suite | ERP Integration | Process Redesign | Scrum

Improvement: 40% Efficiency | Integration: SAP ERP

Prototype

YourClinic Digital Health Records

Client Project Idea

A privacy-compliant digital SOAP notes system for Cape Town clinic with custom Flask forms, secure mobile storage, and historical data scanning using OCR technology.

Open Frameworks | Python Libraries | OCR | Scrum

Compliance: POPIA | Storage: Mobile

Completed

Professional Portfolio

Personal Portfolio

Comprehensive digital transformation delivering a modern, responsive website redesign with integrated forms and quote generation system, streamlined lead tracking calculations and automated workflows.

React | Tailwind | Netlify Forms | CSS Grids

Tech Stack: 15 Technologies | Status: Active Development

Olympus Cleaning Services

Website Redesign & Quote Platform

Comprehensive digital transformation delivering a modern, responsive website redesign with integrated forms and quote generation system, streamlined lead tracking calculations and automated workflows.

React | Tailwind | Netlify Forms | CSS Grids

Tech Stack: 15 Technologies | Status: Active Development

8 Major Projects | 25+ Technologies Used | 3 Industry Sectors | 100% Successful Rate

Ready to discuss your next project?

Let's collaborate on building something innovative and impactful together.

Start a Project

Professional Profile

Resume

I design and build modern web applications that streamline business processes. I combine product thinking and process redesign with full-stack engineering to turn complex operations into elegant, scalable software.

3+ Years Building | 15+ Projects Shipped | 8/8 Solutions Focus

Download CV | Get in touch

What I Do

Redesign business processes into streamlined digital workflows

Build end-to-end with React/Vue frontends and Node/Springboot Rest APIs

Model data and integrate Firebase/SQL for reliable persistence

Deploy maintainable solutions with Git, reviews, and iteration

Core Capabilities

React | Vue | Node.js | Springboot | Firebase | Python | SQL

Experience

Full-Stack Developer — Academic & Independent Projects
University of Cape Town | 2021 - Present

- Built business web apps that improve team workflows and decision-making. See Featured Projects.
- Developed frontends in React/Vue and backends in Node.js/Spring Boot, integrated Firebase and SQL databases.
- Led end-of-team, planned sprints, and delivered maintainable solutions with version control and reviews.

Community Tutor — JuniBrave Centre
WSOP Community Service | 2020 - Present

- Provide tutoring and mentorship in Langa, Cape Town at the JuniBrave Centre.
- Strengthened communication, empathy, and facilitation skills while supporting community learning.

Education

BCom (Hons) Specialisation in Information Systems
University of Cape Town | 2024 - Current

Advanced study of information systems with research, system development projects, presentations, mentoring, and industry engagement.

BCom in Computer Science & Information Systems
University of Cape Town | 2021 - 2024

Foundational CS fundamentals with business information systems. Emphasis on practical system design, development, and problem solving.

Get In Touch

Let's work together!

I'm always interested in new opportunities and exciting projects in the Computer Science and Business Computing field. Whether you have a question about my projects or want to discuss potential opportunities, feel free to reach out!

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