



Max Day

Full-stack Software Developer

Flexible programmer, passionate about networking and distributed systems with an interest in C development and web interfaces.

CONTACT



max28.day@gmail.com



(+27) 72 105 0898



[CV Website](#)



[MaxOxDay](#)



[Max Day](#)



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SKILLS

- Node.js/Deno & Express.js
- Low-level C Programming
- TypeScript & JavaScript
- C# .NET Development
- Backend Architecture Creation
- RESTful API Design
- Application Data Flow
- Backend Algorithm Design
- SQL & NoSQL Databases
- Azure Cloud Services
- Linux CLI & Server Management
- Network Architecture (Ubiquiti/Cisco)
- Full-stack Development
- Client-focused Development Approach
- Problem Solving
- Adaptable

ABOUT

I am in my third and final year of Computer Science at Varsity College. I possess multiple years of programming experience both through my coursework and independent projects. I have a passion for full-stack development and problem-solving. I possess a wide range of programming skills, with a focus on web development using JavaScript and TypeScript, and strong foundations in C/C++ development as well as C# and Java systems.

My main interests lie in developing robust backend systems while integrating them with clean, well-developed frontend interfaces. I also have experience with C# and the .NET framework for web application development as part of my degree program and Java as part of my high school studies. Many of my projects utilise Deno/Node.js as backend technologies paired with clean front-end web UI to create intuitive user-friendly interfaces. I have experience with databases, both SQL and NoSQL systems, as well as database server solutions and how to integrate them into projects. I particularly enjoy integrating low-level C code with web development and bridging APIs. I also have experience with microcontrollers particularly through projects related to writing C code to STM32 chips. I have designed my own PCBs and circuitry systems in the work environment as well as at home.

I have a deep interest in Linux CLI server environments and have been building my own home server network utilising Ubiquiti systems, network layouts, and Cisco systems (switch, router and ASA systems). I currently run two homelab servers and I have experience with the deployment of such systems. This hands-on experience has strengthened my understanding of network architecture and server management while giving me core knowledge of how to deploy such technologies.

I am highly adaptable and focused, dedicating myself to meeting unique project demands to the best of my ability. I am confident I can ensure high-quality work delivery.

EDUCATION

Bachelor of Computer and Information Sciences in Application Development
2023-2025 (Final Year)

Academic Performance: 11 distinctions out of 16 subjects completed as of 2024 end of year

National Senior Certificate
St John's College, Houghton, South Africa
2018 - 2022

Achieved matric exemption
Top 1% in matric IEB nationally for IT

JOB EXPERIENCES

**Design Engineer
and programmer for
Lorbrand**

Jan 2022 - March 2022

Centurion, Gauteng
Part Time

- Part of a development team that aided in the design of a coil winding system.
- I helped design in CAD and program a system to wind spindles of coils.

**Software Tester for
Unlogged (YC S22)**

Jul 2023 - Aug 2023

remote, California, United States
Freelance, Part time

- I was tasked with daily driving the newly created Unlogged plugin in the IntelliJ IDE
- I wrote feedback on how the plugin performed in QA environments and how it could be improved

**Software Developer
for BSI Electronics**

Nov 2024 - Jun 2025

Randburg, Gauteng
Part time

- Led API integration development for upcoming electronic systems
 - Assembled electronic units, including soldering and component manufacturing
 - Programmed embedded control systems using low-level code for hardware interfacing
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