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
- Max0xDay
- Max Day
- Max Day

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 have a passion for full-stack development and problem-solving and I offer a wide range of programming skills, with a focus on web development using JavaScript and TypeScript, and strong foundations in C/C++ development, C#, the .NET framework and Java systems.

My main interests lie in developing robust backend systems while integrating them with clean, well-developed frontend interfaces. 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, writing C code to STM32 chips, as well as database server solutions. I have designed PCBs and circuitry systems.

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. 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, focussed and dedicated 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 at Varsity College South Africa
2023-2025 (Final Year)

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

Received the The Aggregate Distinction Award for years 2 and 3 of study

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

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

REFERANCES

Martin Granig, Director Lorbrand
Tel: 082 466 2934
Email: martian@lorbrand.com

Nic Barnes, Property Developer
Tel: 083 903 5275
Email: nicb@jozihousing.co.za

Nerine Khan, Managing Director Employment Relations Exchange
Tel: 082 854 4454
Email: nerine@erexchange.co.za

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 Intelj 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