

DocQuantum

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| Night City, NUSA

Elite software engineer focused on cyber defense, ICE-breaking technology, and optimized embedded systems for high-security environments. Proven ability to deploy rapid, reliable solutions while enhancing code development and operational processes.

Credentials

Education

Arasaka Academy of Cyberwarfare

2073-2077

Bachelor of Science in Cyber Engineering with a Specialization in Autonomous Systems

Skills

Programming Languages

Rust, JavaScript/TypeScript, C/C++, Java, C#, Python, Bash

Technologies & Tools

Node.js/Bun, Svelte, Docker, Git, Unity, HTML/CSS, Linux/UNIX

Other

Fluent in Russian, Netwatch-certified ICE-breaker (level 3)

Experience

Arasaka Corporate Security Division

Software Daemon Engineer

2077-present

- **Net-Intrusion Daemon Development**

Authored state-of-the-art ICE-breaking daemons in Rust capable of penetrating Militech's 4th-gen military defense systems. These daemons ensured secure corporate espionage and covert data exfiltration.

- **Embedded Systems Engineering**

Developed firmware for high-security cybernetic implants in C on a custom Arasaka ARM platform, incorporating next-gen quantum encryption and real-time diagnostics over a custom Netwatch-restricted comm stack.

- **Database & API Management**

Engineered optimized C/C++ storage modules for neuro-mapped data extraction from cyberbrain implants, integrating it into black-site testing labs. Maintained covert REST API endpoints for secure data flow between Arasaka outposts.

- **Hardware-Software Integration**

Led a multi-disciplinary team in developing next-gen ICEbreakers, synchronizing code and hardware across various platforms (RaspberryPi-based netrunners, Arasaka Zero-One servers). Integrated fault-tolerant neural network learning capabilities.

- **Cryptographic Optimization**

Re-engineered black-box cryptographic routines for OTA firmware updates on secure cybernetic devices, reducing execution time by 40% while ensuring minimal footprint for stealth installations on low-resource cyberimplants.

- **Process Improvement**

Implemented containerized virtual environments via Docker for secure and reproducible code deployment, minimizing detection risks during Arasaka's black ops.

- **Legacy System Integration**

Reverse-engineered ancient Militech firmware running on pre-collapse systems, writing custom Z180-based emulators to deploy covert backdoor access for future operations.

- **Client Coordination**

Collaborated with high-profile clients in Night City's underworld to deliver bespoke software solutions tailored to their highly specific security needs. Provided continuous updates and troubleshooting for deployed daemons.

University of Night City, Autonomous Research Lab

Senior Netrunner Research Assistant

2075-2077

- Deployed an advanced neural network on a Netwatch-grade supercomputer for corporate espionage purposes, optimizing for high-latency urban surveillance.
 - Developed a C# Unity application for generating synthetic data to train deep learning algorithms on predicting underground syndicate activity.
 - Continuously enhanced the system's accuracy in detecting subversive communications and secret weapon shipments across the combat zone.
 - Created real-time 3D demos using Unity and WebGL to simulate complex data interception techniques, for training upcoming netrunners in Arasaka's educational programs.
 - Designed a Unity tool for visualizing data siphoned from illegal Militech drones for further analysis and integration into Arasaka's defense network.
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References

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Director of Operations

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