

# Ferrari David

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## Professional Summary

I'm a software engineer with a Bachelor's degree in Physics and ongoing advanced studies in Artificial Intelligence. My background provides a strong foundation in logical problem-solving and analytical thinking, enriched by a deep passion for computer systems and security.

Dedicated to continuous learning and innovation, I value collaboration and knowledge-sharing, believing that a cooperative approach is essential for both personal and organizational growth.

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## Skills

### Java (8 to 17)

- Core Java: Daily practice, coding challenges, and exercises.
- J2EE: RESTful services development.
- Grizzly: Configuration and deployment of HTTP/HTTPS servers.
- Netty: Implementation of custom protocols and drivers for security middleware.
- JUnit: Integration testing and test strategy development.

### Docker

- Jenkins Pipelines: Configuring Docker workers for CI/CD.
- Multi-Node Environments: Local setups for enterprise applications.
- Legacy Builds: Created environments for legacy components.

### Linux

- Intermediate Administration: System management and resource monitoring.
- Command Line Tools: Proficient in sed, awk, and typical UNIX tools.
- Bash Scripting: Legacy builds, automation, and environment orchestration.

### Additional Tools

- Maven: Build automation and dependency management.
- Jenkins: CI/CD pipeline management.
- Git/BitBucket: Version control and repository management.
- OpenLiberty: Application server management.
- PostgreSQL: Shared database among application components.

### Additional Languages

- Python3: Scripting and automation.
- C: Systems programming and development.
- JavaScript: Web development and asynchronous programming.
- Groovy: Scripting and Java integration.

## Professional Experience

### Software Engineer

*Primeur srl, Milan*

*06/2023 – Present*

- Developed and maintained a Java enterprise application;
- Secured web-based components against OWASP Top Ten vulnerabilities;
- Performed general DevOps activities;
- Implemented a machine learning model for domain-specific predictions.

### IT Analyst

*CAMS srl, Bologna*

*01/2022 – 04/2023*

- Developed the company website and customer care system;
- Performed various internal IT activities;

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## Education

**Bachelor's degree** in Physics,

*Alma Mater Studiorum, Bologna, 2023*

**Master's degree** in Artificial Intelligence,

*Alma Mater Studiorum, Bologna, Present*

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