

Ivo Janssen

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Skills

- Software Engineering (Node/JS, Python, C, C++, Ruby)
- Semantic Markup (HTML5, XML)
- Client-side Scripting (JS, WebGL)
- Frameworks (Vue.js, React, NodeJS)
- Presentation Semantics (CSS3)
- API Design (REST/GraphQL)
- Version Control (Git, Hg)
- Advanced UNIX/Linux CLI

Knowledge

- Software Architecture
- Design Patterns, Methodologies
- Highly Iterative Development
- Usability / Accessibility
- Database Design
- Virtualization/Containerization
- Web Standards
- Interface Design
- API/Microservice/SaaS Design

Work Experience

Lead Software Architect at Applied Minds, LLC (2015-present)

- Created prototypes and proof-of-concepts of future technology for aerospace and defense clients
- Integrated diverse (and legacy) hardware systems with cutting-edge software systems
- Connected multitude of different systems running different operating systems via various communication protocols using Websockets, ZMQ and custom IP layers
- Researched and explored new avenues of interaction using multi-touch, multi-displays, structured light, AR and VR
- Deployed highly distributed systems to physical, virtual and cloud-based locations

Sr. Developer at Side Studios (2013-2015)

- Designed and development new Python-based ecommerce platform & infrastructure
- Refactored existing code bases into reusable modules and ports for new platform
- Designed/developed full API for various back-end systems used by clients
- Developed, managed and maintained over twenty high-traffic websites for various clients

Owner/Operator at IVO.LA (formerly Code Dealers) (2006-Present)

Under my own company name, I created an open-source web framework from scratch, provided freelance consultancy and development services, and held part-time positions for various clients.

Education

Delft University of Technology (2006)

Bachelor of Science, Computer Science, Minor in Media & Knowledge Engineering

Georgia Institute of Technology (2019)

Master of Science, Computer Science, Minor in Computational Perception & Robotics