

Ivo Janssen

View more details online: <https://resume.ivo.la>

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Domains

- Software Architecture & Engineering (Node.js, Python, C, C++)
- Semantic Markup (HTML5)
- Graphics (Canvas, WebGL)
- Frameworks (Vue.js, React)
- Presentation Semantics (CSS3)
- API Design (REST)
- Version Control (Git/Hg)
- Advanced UNIX/Linux CLI

Expertise

- Human-Centered Design
- Design Patterns, Methodologies
- Iterative, Test-Driven Development
- Usability / Accessibility
- Database Design
- Code Quality & Maintainability
- Web Standards
- Flexibility & Reliability in Software
- Open-source Collaboration

Experience

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

- Created prototypes and proof-of-concepts of novel technology for aerospace and defense clients
- Integrated diverse and legacy software and hardware systems with cutting-edge software systems
- Connected multitude of different systems running different operating systems via various communication protocols from high-level Websockets, ZMQ, TCP/UDP down to low-level RS-232/485/422 and TTL
- R&D of new avenues of interaction using multi-touch, multi-display, AR and VR paradigms
- Designed and developed tailor-made embedded software for custom and COTS boards/modules
- Extensive software and hardware automation, custom deployments and build pipelines
- Deployed highly distributed systems to physical, virtual and cloud-based locations

Sr. Developer at Side Studios (2013-2015)

- Designed and developed custom Python-based ecommerce platform & infrastructure
- Refactored existing code bases into reusable modules, API's and ports for new platform architecture
- Maintained and monitored deployments over twenty high-traffic websites for various clients

Owner/Operator of Planetary Systems (2006-Present)

- Consultancy and freelance agency for various clients, including code/architecture reviews, user acceptance recommendations and bespoke software projects

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

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References and code samples on request