

MADS BARCLAY PAASKESSEN



Senior Full-Stack Software Developer, Architect & AI Engineer

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Web & Portfolio: mp-it.dk | floxlar.com | sacred-ai.com | github.com/madspaaskesen

PROFILE & CORE COMPETENCIES

Senior Software Developer, Architect, and AI Engineer with **25+ years** of total IT and software development experience. Specialized in designing, building, and modernizing complex systems—from traditional enterprise solutions to modern desktop products and AI-driven platforms—where uptime, scalability, and uncompromised quality are business-critical parameters. With a strong background as a founder, CTO, and senior architect, I operate effortlessly across the entire stack, bridging deep technical expertise with strong business acumen, leadership, and stakeholder communication. My approach is characterized by:

- **AI-Augmented Engineering & Semi-Autonomous Workflows:** Leveraging advanced AI tools and an iterative, semi-autonomous approach to development and refactoring. Through a rigorous "human-in-the-loop" process, I act as the critical architect who meticulously quality-assures all code, significantly increasing development efficiency without compromising stability.
- **High Code Quality & Test-Driven Stability:** Extensive use of unit and integration tests, ensuring that new features and refactoring never compromise existing business logic.
- **Legacy-to-Modern Transformation:** Extensive experience in seamless migration of legacy platforms to modern, scalable architectures and future-proof tech stacks.

TECHNICAL COMPETENCY PROFILE

Domain	Technologies & Tools
AI & Multimedia Engineering	Whisper (Speech-to-Text), LLMs (OpenAI, Claude), Prompt Engineering, FFmpeg automation, Video/Audio pipeline optimization, Desktop Caption Editors
Backend & Systems	Node.js, Rust (Tauri), C# .NET / .NET Core, ASP.NET MVC, PHP, RESTful Services
Frontend & Desktop	Vue.js, Nuxt.js, Electron, JavaScript (ES6+), TypeScript, AngularJS, jQuery, Webpack, SASS/CSS3, HTML5
Databases & Dataflow	Supabase, Prisma, PostgreSQL, MS SQL Server, MySQL, T-SQL (Stored Procedures, Functions)
DevOps, Release & Infrastructure	CI/CD (GitHub Actions), Code signing pipelines, Automated unit/integration testing, Semantic versioning & release candidates, Cross-platform packaging & distribution, Linux, Cloud/Web hosting, IIS
Open Source & Tools	Rust/Tauri CLI + GUI tools (gifmeta, aether-renderer-core), crates.io publishing, documented repositories

WORK EXPERIENCE & INDEPENDENT PRODUCTS

Product Creator & Lead Developer | Flixlar (flixlar.com) & Sacred AI (sacred-ai.com)

(2025 – Present)

- Flixlar:** Developed a professional cross-platform desktop caption editor (Electron) for advanced video workflows. Built with a local-first architecture (no cloud upload), advanced FFmpeg automation (burn-in + lossless embedding of subtitle tracks in MP4/MKV), offline speech-to-text (Whisper-based), SRT/WebVTT support, live preview, and multi-language support. The product has matured to **v1.0.0-rc.16** with full documentation, automatic FFmpeg runtime management, and documented GitHub repositories. Focus on stability, privacy, and production-ready workflows for editors and content creators.
- Sacred AI:** Designed and developed a scalable full-stack AI platform from scratch, focusing on security, robust dataflow, and advanced integrations. Architecture built with Vue/Nuxt,

Node.js, Prisma, Supabase, and secure OpenAI integrations. The platform has achieved organic traction and has been cited by modern AI search models.

- **Open Source & Release Engineering:** Developed and released open-source Rust/Tauri-based CLI and GUI tools (gifmeta, aether-renderer-core). Handles complete release pipelines including semantic versioning, prebuilt binaries for macOS/Windows/Linux, crates.io publishing, automated unit + integration tests, GitHub Actions CI/CD, and secure code-signing pipelines.

Senior Frontend Developer (Consultant) | Bonnier Publications

(2021 – 2025, Copenhagen)

- Development and maintenance of a high-traffic subscription platform and e-commerce features in close collaboration with UX designers and agile product teams.
- Modernization and optimization of user experience, performance, and component structure using Vue.js and Nuxt.

Senior / Lead Frontend Developer | hoej.dk A/S

(2020 – 2021)

- Responsible for converting and modernizing legacy frontend architectures (PHP blade) to modern SASS/Bootstrap and modular JavaScript/Webpack infrastructure.
- Establishing new visual and technical frontend frameworks for future business-critical projects.

Senior Developer & Software Architect | Go Dream A/S

(2017 – 2020)

- Led the technical transformation and architectural migration of a comprehensive PHP/Magento webshop to a modern Microsoft/Umbraco platform.
- Converted a legacy PHP booking system into a robust C# MVC backend and a scalable Vue.js Single Page Application (SPA).
- Implemented automated unit tests and deploy flows ensuring high uptime and flawless releases.

Senior Developer | Solution Web ApS

(2015 – 2017)

- Development of custom enterprise solutions, background services, and complex web applications in C# and SQL.

Senior Developer | TimeMSystem A/S

(2013 – 2015)

- Continued development and optimization of TimeMSystem's case management and time-tracking platforms—systems utilized by heavily regulated Danish government agencies and ministries.

CTO & Co-founder | UniFlip A/S

(2007 – 2014)

- Had total responsibility for the technical architecture, operations, product ownership, and business development of UniFlip.com from scratch (A-Z), including automated PDF/Word conversion engines for interactive media.

Independent Software Consultant | paaskesen-it / MP-IT

(2007 – 2014)

- Development of custom software, automated media tools, and video-chat engines (including solutions for kontakt.dk and omi.dk/citroen.dk).

Previous Relevant Positions

- **Webmaster / Developer** | CityOffice (2006–2007).
- **System Architect** | TimeMSystem A/S (2005–2006).
- **Independent** | HiperMedia (2004–2005) – Development of automated video editing software and network protocols for TV stations.

EDUCATION & FOUNDATION

- **Data Mechanic (With Distinction)** | TEC / TimeMSystem (KnowledgeCon) (1997–2003)
- *5-year intensive technical education focusing on hardware, network infrastructure, deep system understanding, and software development.*
- **Commerce & Sales (HG)** | Tøjeksperten (1993–1996)
- *Provides a strong commercial understanding of the end-user and business requirements.*

LANGUAGES & PERSONAL PROFILE

- **Danish:** Native.
- **English:** Fluent in writing and speech (technical and professional level).

- **Leisure & Discipline:** Practices Ninjutsu at a high level (including training in Japan under Grandmaster Hatsumi Masaaki). This training reflects my personal approach to work: focus, discipline, calm under pressure, and continuous improvement.