

Paul Denya

Senior Software Engineer

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Early-stage product engineer with 15+ years of experience: engineer #2 at HelloSign (acquired by Dropbox), now building infrastructure for AI coding agents at Wallfacer.

WORK EXPERIENCE

Senior Software Engineer | Wallfacer *2025 - Present*

Building persistent cloud environments for AI coding agents at a venture-backed startup, working across the whole product.

- **Built the core product on web, iOS, and Android -** Chat, task, and planning interfaces for directing coding agents, in React Native on a Laravel API.
- **Built multi-agent orchestration -** A plan runner that splits work into phases and runs agent sessions in parallel.
- **Made the platform model-agnostic -** Claude Code and Codex behind one API, with a gateway to OpenAI, AWS Bedrock, and xAI models.

Senior Software Engineer | Groupthink *2023 - 2025*

Full-stack architecture and development of Groupthink's AI-driven meeting platform across the backend (Laravel PHP) and frontend (React/TypeScript/Electron/Swift).

- **Pioneered real-time AI meeting notes** delivering live meeting insights while competitors only offer post-meeting summaries.
- **Built real-time audio/video processing** for the Windows and macOS desktop apps, integrating Deepgram transcription and OpenAI APIs
- **Maintained high code quality standards** through extensive code review (870 reviews, 96% PR merge rate)
- **Integrated third-party services** including Google Calendar, Outlook, Slack, and multiple AI providers

Freelance Engineer | DenyaDev *2018 - Present*

Full-stack and AI-integration engineering for startup clients, from MVP to production.

Software Engineer | Mattermark (YC S12, Acquired by FullContact) *2017 - 2018*

Full-stack development for a business data analytics platform across Python, Ruby, and JavaScript codebases. Stayed on at FullContact through the transition.

Co-founder & Technical Lead | PressFriendly *2013 - 2017*

Co-founded and architected a profitable PR automation platform that evolved from direct-to-consumer SaaS to specialized agency tooling.

- **Pioneered AI-powered PR matching (2013)** - Built NLP/ML systems to analyze journalist coverage and match pitches with relevant reporters reducing time spent building press lists
- **Built intelligent email infrastructure** - Developed native email integration with read tracking and reply sync, maintaining sender authenticity while providing real-time engagement analytics

Software Engineer | HelloSign (YC W11, Acquired by Dropbox) *2011 - 2013*

Second engineering hire. Built the core product from early prototype through rapid growth, ahead of its acquisition by Dropbox.

- **Built core product features -** Document processing, signature workflows, and API integrations for HelloFax and HelloSign.
- **Shipped cross-platform applications -** The first versions of HelloSign for Gmail (browser extensions) and HelloSign for iOS.

Lead Software Engineer | Euro RSCG 4D (Havas) *2007 - 2011*

Progressed from junior developer to technical lead at a global advertising agency, as primary developer for Fortune 500 client campaigns.

- **Delivered high-stakes client projects -** Campaign sites for Exxon, PayPal, Charles Schwab, Dos Equis, and Clearasil, on deadlines tied to TV and advertising launches.
- **Led the engineering team -** Grew from solo developer to team lead, setting development standards and mentoring engineers.

PROJECT

Miatafy *2026*

Software that makes Mazda's factory infotainment system faster and customizable, built by reverse-engineering the head unit. In use by hundreds of Mazda owners.

TECHNICAL EXPERTISE

- **Languages:** JavaScript, TypeScript, Ruby, PHP, Python, Go, Swift
- **Backend:** Laravel, Ruby on Rails, Django, Node.js, WebSockets, REST APIs
- **Frontend:** React, React Native, Next.js, Electron
- **AI/ML:** LLM Infrastructure (OpenAI, Claude, Gemini), AI Agents, Prompt Engineering, NLP/ML Pipelines
- **Real-time Systems:** Audio/Video Processing, Live Transcription, WebRTC, Event Streaming
- **Data & Infrastructure:** PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, Vector Databases
- **Cloud & DevOps:** AWS, Docker, CI/CD, Microservices Architecture, Monitoring & Logging