

David Johansson

Full-Stack Developer & iOS Engineer

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Summary

Self-taught full-stack developer with 1,500+ hours of intensive development over 6 months, resulting in 90,000+ lines of production code. Built and launched RecipeBud iOS app (100+ TestFlight users), serving 1,000+ successful recipe imports with 100% uptime and zero crashes. Currently maintaining A-B grades in carpentry studies while coding 60+ hours/week, demonstrating exceptional learning ability and work ethic. Founder of NextGenAI AB (pending registration), specializing in AI-powered solutions.

Key Achievements

- 🎯 Self-taught Swift and Python simultaneously, shipping production code within 3 months
- 🏗️ Deployed 3 production systems: iOS app (100+ users), AI assistant API, and web scraping API
- 🚀 Implemented 7-stage extraction pipeline achieving 99%+ success rate
- 💡 Simplified complex architecture by 70% while improving reliability and performance

Technical Skills

Languages & Frameworks

- iOS: Swift 5.0+, SwiftUI, MVVM, Actors, Combine, async/await
- Backend: Python 3.11+, FastAPI, Flask, SQLAlchemy
- Infrastructure: Docker, Supabase, PostgreSQL, Redis

Tools & Services

- AI/ML: OpenAI GPT, ElevenLabs, Whisper API
- Cloud: Hetzner, Dokploy, Uptime Robot
- Development: GitHub (private repos), Xcode, VS Code, Termius
- DevOps: CI/CD pipelines, Dokploy orchestration, production monitoring

Specialized Skills

- *Production-grade API design with 100% uptime*
- *Advanced concurrency patterns (Swift actors, Python async)*
- *Video processing and audio extraction for content analysis*
- *Real-time AI integration with voice processing*
- *AI-Assisted Development: Leveraging Claude, ChatGPT for rapid development*

Projects & Technical Experience

Founder & Lead Developer | NextGenAI AB (pending registration)

2024 - Present

RecipeBud - AI-Powered Meal Planning & Cooking Companion (62,000+ lines of Swift)

- *Built comprehensive iOS app solving the complete "food journey" from meal planning to cooking for 100+ TestFlight users*
- *Architected 3-stage solution: Planning (import from any source), Shopping (smart lists), Cooking (AI voice guidance)*
- *Implemented sophisticated ingredient consolidation algorithm with fuzzy matching and unit conversion*
- *Built actor-based translation queue with priority handling, reducing API costs by 40%*
- *Integrated Hanna, an AI cooking assistant with real-time voice recognition and hands-free guidance*
- *Achieved 0 crashes and 100% uptime with comprehensive error handling and production-grade architecture*

Tech Stack: Swift 5.0+, SwiftUI, Combine, Supabase, PostHog

Live Demo: [TestFlight](#)

Hanna - AI Cooking Assistant API (18,000+ lines of Python)

- *Developed production FastAPI backend handling real-time conversational AI with 100% uptime*
- *Reduced codebase by 70% through architectural simplification while improving reliability*
- *Implemented multi-layer caching (memory → Redis → filesystem) for sub-100ms response times*
- *Built sophisticated context management with user behavior tracking and preference learning*
- *Integrated ElevenLabs TTS with language-specific voices and pre-generated phrase caching*

Tech Stack: Python 3.11, FastAPI, Redis, OpenAI, Docker, Supabase

Advanced Recipe Extraction System (15,000+ lines of Python)

- Engineered sophisticated scraping system processing 1,000+ recipes with 99%+ success rate
 - Implemented video-to-recipe conversion using FFmpeg audio extraction and Whisper transcription
 - Developed advanced anti-blocking techniques beyond standard proxy rotation
 - Built resilient architecture handling Instagram reels, YouTube videos, and JavaScript-heavy sites
 - Created 7-stage fallback system including AI-powered OCR for image-based recipes
- Tech Stack:** Python, FastAPI, BeautifulSoup4, Playwright, OpenAI Vision, FFmpeg

StellarPath - AI Development Consultant Platform

- Engineered AI-powered platform guiding developers from idea to deployed product
 - Implemented 230+ curated prompts with 5-dimensional recommendation algorithm
 - Built skill graph architecture with 90+ interconnected skills using NetworkX
 - Created adaptive learning system with predictive analytics and milestone tracking
- Tech Stack:** Python, FastAPI, PostgreSQL, Claude API, Docker

Education

Carpentry Program | Komvux | 2024 - Present (Available for immediate tech opportunities)

- Maintaining A-B grades while dedicating 60+ hours/week to programming
- Demonstrates rapid learning ability and strong work ethic

Self-Directed Technical Education | 2024

- 1,500+ hours of focused programming study and practice
- Built production systems from zero coding experience in 6 months
- Mastered modern development practices using AI-assisted learning

Additional Education | 2022 - 2024

- Mathematics 1C (A), English 5 & 6 (A), Swedish 1 (A)
- Truck License (A1-A4, B1-B3, D1)

Previous Experience

Hospitality Industry | 2018 - 2020

O'Learys Stockholm & Pitches AB - Bartender/Bar Manager

- *Managed bar operations and trained new staff without prior experience*
- *Developed strong communication and performance under pressure skills*
- *Led teams in high-stress environments with focus on customer satisfaction*

Additional Information

- ***Languages:*** *Fluent in English and Swedish*
- ***Commitment:*** *60+ hours/week dedicated to programming while maintaining A-B academic grades*
- ***Production Apps:*** *recipebud.com - Live iOS app with growing user base*
- ***Availability:*** *Immediate, open to relocation within Sweden or remote work*
- ***Portfolio:*** *Private repositories and live applications available for demonstration*
- ***Currently Learning:*** *Go, Rust, and React Native for cross-platform development*

References available upon request