

Jim Carnicelli

Senior Software Engineer

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Summary

Full-stack engineer with frontend and AI leaning. Over a decade of solid individual contributor and leadership experience. Focused on web development and AI agentic workflows.

Core skills

- **Languages:** TypeScript, Vanilla JavaScript, Python, C#
- **Markup / Styling:** HTML5, CSS3, TailwindCSS
- **Frontend:** React, Next.js, Node.js, Bun, HTMX
- **Databases:** Postgres, MySQL, SQL Server
- **AI:** OpenAI, Gemini, and other generative AI

Example projects

- **Basky agent:** (2025) Built UI and backend for a conversational AI agent with Next.js and ChatGPT. First version completed and in production in 3 weeks. Hundreds of users.
- **ISPS SignUp:** (2024) Built an entire portal site helping ISPs increase sales and visibility using Next.js, HTMX, and Postgres. First version completed in under 1 month. Public directory typically sees 100k requests per day.
- **SHD website:** (2023) Developed a complete SEO-friendly website using Next.js, React, and Postgres. Hosted hundreds of thousands of products across hundreds of client stores.
- **TSIS:** (2022-2023) Developed a React-based UI and integration with a C#, Entity Framework, and Postgres backend.
- **SbPAM:** (2019-2020) Updated a React-based UI and integration with a C#, Entity Framework, and Postgres backend.
- **Warehouse management system:** (2011-2015) Full ERP suite for manufacturing, wholesale, and transportation. Created framework, developed apps, and managed dev team.

Recent employment

2025 - Senior Software Engineer - Bask Health

- Created first version of UI for AI assistant/agent and deployed within 3 weeks. Next.js, TypeScript, TailwindCSS, Shadcn, Figma.

- Rewrote second version of server side engine for AI agent in under 1 week. Next.js, OpenAI/ChatGPT, MySQL.
- Created many public landing pages in under 2 weeks. Next.js, TypeScript, TailwindCSS, Figma.
- Mentored and provided paired programming support for multiple devs.

2023-Present - Co-owner / Software Engineer - ISP Services

- Created ISP SignUp service to qualify customers and show them location-aware services and pricing. TypeScript, Node.js, HTMX, Postgres, GIS, FCC, and Census Bureau data.
- Created InternetNearMe.net website to help customers find all ISPs near them. TypeScript, Node.js, HTMX, Postgres, GIS, FCC & Census Bureau data.
- Created bespoke customer workflow system for client. TypeScript, React, HTMX, Postgres.
- Created standalone service to translate CRM events into hardware actions. TypeScript, Node.js.
- Created frontend UI for telephony service. TypeScript, React.

2022-2023 - Senior Software Engineer - TSPS

- Worked to create next-gen transportation management system. TypeScript, React, TailwindCSS, C#, Entity Framework, Postgres.

2019-2022 - Senior Software Developer - Stealthbits/Netwrix

- Worked with team to create one security console. JavaScript, React, C#, Entity Framework, Postgres.
- Worked with another team to create another security console. JavaScript, React, C#, Entity Framework, Postgres.
- Built framework and starter project for another team. JavaScript, React, C#, Entity Framework, Postgres.

2011-Present - Independent Software Engineer

- Created SnuggleHamster.com service. TypeScript, Next.js, Node.js, Postgres, Electron.js.
- Created HoverDerby VR game in Sansar. C#, JavaScript, ASP.NET, SQL Server.
- Created two different ERP systems with sales, purchasing, warehousing, trucking, accounting management systems plus many hardware integrations. JavaScript, C#, ASP.NET, SQL Server, Windows CE.
- Created multiple Second Life business systems with external services. LSL, JavaScript, C#, ASP.NET, SQL Server.
- Ran many AI experiments and blogged about it for years.
- Created countless open source freebies and mentored many devs.