

BellCube Full-Stack Web Developer

 Pittsburgh, Pennsylvania
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 <https://bellcube.dev>
 <https://github.com/BellCubeDev>

Easy-to-work-with full-stack developer with 3+ years of hands-on experience building responsive, performant web applications. Skilled in TypeScript and Next.js with a portfolio demonstrating real-world capabilities. Strong problem-solving skills and ability to adapt quickly to new technologies. Values maintainability and code that reads like a sentence.

PROJECTS

the Papyrus Index

03/2025 – Present

Live URL: <https://papyrus.bellcube.dev> 

- Created the first and only searchable platform for the Papyrus programming language (used in *Skyrim*, *Fallout 4*, *Fallout: New Vegas*, and *Starfield*) and its modder-added extensions.
- Attracted 100+ weekly active users in a niche community, driven primarily by the platform's unique search functionality.
- Built a custom parser to convert Papyrus API declarations (similar to C header files) into structured TypeScript data.
- Integrated documentation from multiple sources, including source code, GitHub Wikis, and MediaWiki wikis.
- Includes 9,000+ documentation pages, with thousands more planned.
- Incorporated user feedback from diverse channels to enhance usability and expand features, driving adoption and retention.

fomod-js

08/2023 – 06/2025

GitHub: [BellCubeDev/fomod-js](https://github.com/BellCubeDev/fomod-js) 

- Developed the first JavaScript library capable of reading and writing XML-based Fomod installers, enabling applications to programmatically interact with Fomod packages.
- Prioritized usability, specification compliance, developer control, and minimal disruption to existing installers.
- Established maintainability standards, enhancing long-term sustainability and code quality.
- Implemented complex abstractions while preserving low-level control for library consumers.

See more projects at <https://bellcube.dev> 

PROFESSIONAL EXPERIENCE

Software Solutions Architect (Freelance)

Dropout Degens

August 2023 – Present | Remote

Delivered end-to-end technical solutions that automated operations, enabled revenue capture, and scaled data workflows.

- Automated core business operations by building and maintaining a Discord bot for giveaways, partner promotions, community polls, weekly rewards, coupons, and support ticketing.
- Processed \$3,000+ in revenue from 250+ customers by developing and deploying a Next.js website for Stripe subscriptions and SEO-driven traffic.
- Transformed 230,000+ emails to date by implementing a Cloudflare Worker to parse 600+ HTML emails/day into structured outputs consumed by internal services.
- Worked closely with the client to prioritize features, refine product requirements, and align technical solutions with revenue growth goals.

Global Moderator (Volunteer)

Nexus Mods

March 2023 – Present | Remote

Trusted member of a 20-person moderation team for all aspects of the world's largest video game modding website, serving millions of users daily.

- Resolved complex cases requiring nuanced judgment, including interpersonal disputes and the interpretation of ambiguous rules in definitive circumstances.
- Reverse-engineered and neutralized novel malware threats uploaded through mods, where traditional detection methods often fail.
- Adapted to evolving internal moderation tools and provided feedback that improved usability and efficiency across the moderation team.
- Operated within corporate workflows, adhering to structured communication, chains of command, and nondisclosure agreements.