

# DYLAN BUCHI

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## Full-Stack Developer | Next.js, TypeScript, SaaS Systems

### PROFILE

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Self-taught full-stack developer with internship experience and independent SaaS builds. Focused on shipping narrow, production-deployed web applications with Next.js, TypeScript, PostgreSQL, authentication, integrations, testing, deployment, and security-conscious release workflows.

### TECHNICAL SKILLS

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**Strong:** TypeScript, JavaScript, React, Next.js, Node.js, Python, PostgreSQL, SQLite, CSS/Tailwind, Git

**Practical:** Stripe, Resend, S3/R2 object storage, Vercel, Playwright, Vitest, REST APIs, OAuth, cron/scheduler flows, provider boundary checks

**Familiar:** Prisma, pg, Svelte/SvelteKit, Docker, Bash, MySQL, MongoDB, Java, NestJS, Django, Flutter/Dart

### EXPERIENCE

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#### Independent Full-Stack Developer / SaaS Builder | Zycody / Substantly | Geneva, Switzerland | Sep 2024 - Present

- Built and deployed Substantly, a controlled-access SaaS for bookkeeping firms to collect explanations and receipts for uncategorized QuickBooks Online transactions.
- Implemented firm-scoped authentication, owner/admin/staff roles, secure client response links, receipt upload, reminders, review queues, CSV import/export, and closed signup/request-access flow.
- Integrated read-only QuickBooks Online import, Stripe sandbox billing flows with containment checks, Resend email, S3-compatible private object storage, and PostgreSQL runtime support.
- Created verification scripts and tests across auth/session, permissions, public links, upload/storage, CSV safety, scheduler safety, read-only QuickBooks/no-write-back boundaries, backup/restore rehearsal, and browser smoke checks.
- Deployed on Vercel with health checks, environment validation, security headers, and documented launch-readiness gates for controlled access.
- Built Codex Workflow Kit, private Node.js CLI tooling for repo-native AI-assisted coding workflows, including task state, briefs, review/test evidence, closeout gates, package hygiene, and release checks.

#### Software Engineer Intern | acheteur.ch | Lausanne, Switzerland | Jun 2024 - Aug 2024

- Contributed React and Next.js components to a shared TypeScript monorepo for a large-scale real estate application.
- Implemented Figma-based UI with reusable component patterns and strong attention to visual fidelity.
- Worked in an Agile workflow to deliver frontend features, refactors, and component improvements.

#### Self-Taught Software Engineer | Independent Study and Projects | Jul 2019 - Jun 2024

- Built 50+ projects with React, Next.js, Python, Node.js, and databases while studying full-stack development, data structures, and system design.
- Delivered freelance work, contributed to open-source repositories, and completed 30+ software development courses.

### ADDITIONAL EXPERIENCE

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#### Open Source Developer | The Algorithms | Oct 2021

- Merged 13 pull requests improving Python typing and resolving mypy dependency issues; reviewed and optimized code for clarity and correctness.

#### Freelance Python Developer | SwissBorg | Oct 2020

- Built a custom Discord bot for the SwissBorg community with automated responses, admin controls, uptime monitoring, and real-time information retrieval.