Brayan Martinez

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SUMMARY

Full-stack developer building and maintaining production e-commerce storefronts and ERP features (Perl, MySQL, jQuery, Python), plus TypeScript and Python developer tools with automated tests and CI. M.S. in Computer Information Systems, with graduate research training machine learning models for drug discovery.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, Python, Perl, PHP, HTML, CSS, Java, C++
Frameworks and Libraries: React, Next.js, Node.js, Express, REST APIs, jQuery, Vue, Tailwind CSS
Databases: MySQL, MongoDB, Firebase
Testing and DevOps: Git, GitHub Actions (CI/CD), Vitest, automated Python tests, Apache, Postman
AI and ML: AI coding assistant workflows, prompt-injection safeguards, QSAR modeling (R^2, MAE)

PROFESSIONAL EXPERIENCE

Web Frontend & Backend Developer | Aug 2025 – Present
UniPro International Uniforms – Irvington, NJ

- Supported user authentication and account management for a large base of customer and employee accounts across 5 production storefronts (Perl, MySQL, Python), helping roll out improvements site by site.
- Built end-to-end ERP and storefront features with Perl CGI, jQuery, and MySQL, including account registration with a sales-rep approval queue, B2B order-approval rules, vendor catalog import, and overnight PDF/Excel reports.
- Improved catalog browsing with server-side pagination, shareable filters, and typeahead search.
- Diagnosed and resolved production issues across ordering, shipping, and purchasing workflows, working with customer service, purchasing, and accounting teams.
- Improved the development workflow with Git and daily pull requests using a TypeScript CLI I built; created Python database tools with automated tests.

Graduate Research Assistant | Kean University – Union, NJ | Sep 2024 – May 2025

- Trained and evaluated QSAR machine learning models for drug discovery, selecting the 7 most predictive molecular features and comparing models by R^2 and MAE.
- Presented results in a poster at Kean Research Days 2025 and co-wrote a research paper (unpublished).

Retail Sales Associate | Inmotion MRG – Newark, NJ | Jun 2023 – Aug 2025

PROJECTS

sftp-worklog | TypeScript, Node.js, GitHub Actions | github.com/Brayanketchup/sftp-worklog

- Built a TypeScript CLI (about 6,600 lines) that adds a Git workflow, byte-for-byte upload verification and daily work reports to websites deployed over SFTP, with CI on Windows and Linux.

ai-ticket-agent | Python, GitHub Actions | github.com/Brayanketchup/ai-ticket-agent

- Built a Python tool that shrinks helpdesk tickets from 400+ KB of HTML to about 5 KB for AI coding assistants.
- Added read-only defaults, prompt-injection safeguards and human confirmation before database changes.

support-ticket-dashboard | React, TypeScript, Recharts, Vitest | github.com/Brayanketchup/support-ticket-dashboard

- Built a browser-only analytics dashboard for helpdesk ticket exports with filters, trends and charts.

EDUCATION

Kean University – Union, NJ
M.S., Computer Information Systems, May 2025 | B.S., Computer Science (Cyber Security), May 2024