Brian Chang

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EXPERIENCE

Fiserv *(CommerceHub enterprise payments platform)* **May 2026 – Present**

API Integrations Analyst (Software Engineering) *Coral Springs, FL*

- Developed React QA tools for CommerceHub payment flows and Hosted Solutions (SAQ A PCI scope) to test new features, cutting client integration time by 50%
- Onboard 20+ enterprise merchants onto CommerceHub, configuring APIs and advising on payment flows and PCI scope
- Built an MCP server with 9 tools that lets AI agents draft merchant integrations from a client's solution design
- Built a C#/.NET tool that turns CommerceHub docs into Markdown for RAG, taking internal AI tools from wrong answers on error codes and API details to correct, sourced answers across 100+ test prompts
- Designed and built a no-code C#/.NET workflow builder used by 50+ integration staff to drag and drop CommerceHub API and SDK blocks into payment flows
- Run SonarQube SAST in GitLab CI/CD and review merge requests to keep PCI data and secrets out of code and logs

DAC Bond *(municipal bond disclosure and compliance software)* *Orlando, FL*

Software Engineer (Part-time) May 2025 – May 2026

Software Engineer Intern Jan 2024 – May 2025

- Built Angular/TypeScript features and ASP.NET/Entity Framework REST APIs for a compliance platform serving thousands of users and 1M+ filings from 8,000+ issuers and obligors
- Built Python pipelines on the Adobe PDF Extract API that turn large unstructured bond filings into queryable data
- Set up and monitored AWS S3 storage and file transfer for an Oracle-backed .NET application stack

L3Harris Technologies **May 2023 – Aug 2023**

Software Engineer Intern *Fall River, MA*

- Built real-time Unity/C# AUV simulation modules for motor control, navigation, and sensors (sonar, depth, acoustic, optical, compass, GPS, forward-looking), plus procedural terrain for mission testing; tested on Iver 3 and Iver 4 vehicles

PROJECTS

l3lint | Code | Docs *C#/.NET, MCP, GitHub Actions* **Nov 2026**

- Built a .NET linter that checks commercial card Level 2/3 payment payloads against 78 Visa, Mastercard, Amex, and Discover rules and explains likely interchange downgrades before submission
- Shipped as a CLI, MCP server, GitHub Action (SARIF to code scanning), and .NET library with adapters for Stripe, Adyen, Braintree, Cybersource, Authorize.net, and Checkout.com
- Masks card numbers before any rule runs and emits safe fixes as JSON Patches; 537 xUnit tests

NISAR Surface Change Explorer | Live | Code *React, CesiumJS, Flask, Python, MCP* **Oct 2026**

- Won the Art and Technology Award at NASA Space Apps 2026 (5-person team) for a map of Earth's surface change from NISAR radar data
- Led the AI work, including an MCP server that exposes read-only API tools to AI agents, and designed the Flask/SQLAlchemy REST APIs and overall site architecture
- Built the landing page and documentation site; the data path reads only a selected area's pixels from large NISAR HDF5 granules via HTTP range requests with live NASA CMR search

TECHNICAL SKILLS

Languages: C#, Python, TypeScript, JavaScript, SQL, Java, C++, C, Go, Ruby, Scala

Frameworks: ASP.NET, .NET, Entity Framework, Flask, REST APIs, FastAPI, React, Angular, WinForms, WPF

Cloud and DevOps: AWS S3, Azure, Docker, GitLab CI/CD, GitHub Actions, SonarQube, SARIF, Vercel, Fly.io

AI: MCP servers, RAG, Claude Code, GitHub Copilot, Codex

EDUCATION

Florida Atlantic University, M.S. in Computer Science Expected Summer 2027

University of Central Florida, B.S. in Computer Science Aug 2025