

RANIEL BROWN

Full-Stack Software Engineer — C#/.NET & React/GCP Infrastructure

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PROFILE

Full-stack software engineer with 6 years building enterprise systems across banking, payments, and insurance. Deep experience in ASP.NET Core, C#, REST APIs, and PCI/Compliance frameworks on high-volume financial platforms at Jamaica's largest commercial bank. Independently shipped Acelt: CSEC, a cross-platform mobile study app, live on the App Store and Google Play. Seeking a full-stack or backend role in any sector.

PROFESSIONAL EXPERIENCE

Developer / Analyst

Nov 2022 – Present

National Commercial Bank (NCB) — Kingston, Jamaica · Largest commercial bank in Jamaica

- Engineer backend services in ASP.NET Core / C# for high-volume banking systems, maintaining ~99.98% uptime.
- Design and integrate REST APIs enabling communication between distributed financial services.
- Automated transaction monitoring and validation, cutting transaction failures by ~20%.
- Deliver in Agile cycles with Git-based workflows and CI/CD pipelines (GitLab) for stable releases.
- Authored technical documentation and process guides to help developers complete business workflows, improving efficiency by ~15%.
- Managed PCI and compliance processes across various applications and systems on NCB's core payment platforms, decreasing exposure to vulnerabilities by ~25%.

Software Solutions Developer

Jun 2022 – Nov 2022

VM Group — Jamaica · Financial services (FX, insurance)

- Delivered full-stack features in ASP.NET Core, C#, and SQL Server, improving customer workflows in FX and insurance systems.
- Strengthened automated posting workflows, improving SLA compliance.
- Partnered with designers and product owners to refine requirements into technical solutions.

Software Developer

Apr 2020 – Jun 2022

Advantage General Insurance Company — Jamaica

- Built React + TypeScript interfaces for claims submission, policy renewal, and product queries, reducing branch wait times by 20%.
- Created automated Cypress test suites, improving regression reliability and delivery speed by 30%.
- Developed reusable, accessible UI components following responsive design best practices.

INDEPENDENT PROJECT

Acelt: CSEC — study app for Caribbean students (Lead Engineer)

2026 – Present

Live on the App Store and Google Play · acecsec.com

- Designed, built, and shipped a cross-platform mobile app (iOS 14+ / Android 8+) covering 12 CSEC subjects with syllabus-aligned lessons, LaTeX math rendering, and progress tracking.
- Implemented five practice question types, timed head-to-head challenge rounds against a bot opponent, and cross-device progress sync with Google, Apple, and Facebook sign-in.
- Own the full product lifecycle: architecture, App Store / Play Store release, landing page and support site, and freemium monetization strategy.

TECHNICAL SKILLS

Backend: C#, ASP.NET Core, Entity Framework, REST APIs, Microservices

Frontend: React, TypeScript, Redux, HTML/CSS, Responsive UI

Databases: SQL Server, MySQL, Stored Procedures, Oracle PL/SQL

DevOps & Cloud: CI/CD (GitLab, GitHub Actions, Jenkins), Docker, Azure

Practices: SOLID, Clean Architecture, Automated Testing (Cypress), Agile Delivery

EDUCATION & CERTIFICATIONS

BSc Information Technology – Upper Second Class Honours

University of the West Indies, Mona

Certifications: DevOps CI/CD Foundations · GitLab CI/CD Projects · Complete Python Course