

Neil McCaffrey

Providence, RI | <https://github.com/neilmccaffrey>

Full-stack software developer with a strong foundation in computer science and a passion for building scalable, user-friendly web and mobile applications. Skilled in front-end and back-end development using modern frameworks and cloud platforms. Committed to writing clean, secure production-ready solutions.

Technical Skills

- Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, C++, C#
 - Frameworks & Libraries: React.js, Next.js, React Native, Flask, ASP.NET Core, Node.js, Express.js, Bootstrap, Tailwind CSS, Apollo, GraphQL
 - API & Integrations: Monday API, Google Cloud Vision API, Google Places API, SMTP (Nodemailer), REST
 - Cloud & Databases: AWS, Google Cloud, Firebase, MongoDB, MySQL, Railway, SQLite
 - Tools & DevOps: Git, GitHub, GitHub Actions, Fastlane, Cron Jobs, Nginx, JIRA
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Professional Experience

Freelance Full-Stack Developer

Coral Energy | Jun 2025 - Present

- Built secure user authentication system using Flask and SQLite with email/password login and hashed credential storage.
- Implemented dynamic search/autocomplete for user input using JavaScript and Flask API endpoints.
- Automated database backups with timestamped file versioning to protect against data loss.
- Developed image upload functionality with server-side validation and AJAX-driven UI updates, enabling users to take and upload photos directly through the website — improving productivity and organization by automatically attaching images to the correct items.
- **Stack:** Python, Flask, Jinja2, JavaScript, AJAX, JQuery, Bootstrap, SQLite, Pythonanywhere, Monday API

Agreeable LLC | Apr 2025 – Present

- Refactored token refresh logic to resolve page reload issues and improve session security.
 - Secured authentication flow using HTTP-only cookies, avoiding local storage.
 - Integrated CLEAR identity verification with cross-device support using QR codes.
 - Collaborated using Git, GitHub, and JIRA in an Agile workflow.
 - **Stack:** React, Redux, Apollo Client, GraphQL, MongoDB, TypeScript
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Projects

PokerStatistics – Mobile bankroll tracking app

- Built with React Native, Redux, and Chart Kit; deployed to App Store and Google Play via Fastlane.
- 350+ downloads and positive user feedback.

Portfolio Website – neilmccaffrey.net

- Built with Next.js, TypeScript, and Tailwind CSS. Deployed on AWS EC2 with Nginx.
- Showcases technical projects, resume, and contact form.

Run 401 – Social app for local running events

- Created with React Native, Firebase (Auth, Firestore, Storage), and Cloud Vision API.
 - Deployed on App Store for iOS users.
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Education

- **Rhode Island College** Bachelor of Science in Computer Science | Minor in Mathematics
- **Nucamp Coding Bootcamp** Certificate in Front-End Web & Mobile App Development | Sept 2024 – Jan 2025