

Monroe Stone

Solutions Engineer at Speed AI

Greenville, SC | monroe@flyingchangesfarm.net

monroes.info | [GitHub](https://github.com) | [LinkedIn](https://www.linkedin.com/in/monroestone)

I build useful software and practical systems. My work spans API integrations, production Android applications, developer tools and automation, backed by hands-on experience in cloud diagnostics, technical support and embedded systems.

PROFESSIONAL EXPERIENCE

Speed AI | Solutions Engineer

Jul 2026–Present

- Build VoIP and contact-center integrations using OAuth, REST APIs and webhooks
- Improve integration reliability through retries, duplicate-event protection, signature validation and API troubleshooting
- Develop LLM evaluation tooling with repeatable test fixtures, expected-result checks and model-output analysis
- Write automated request and model tests with RSpec and develop GitHub Actions checks
- Write integration setup guides and API documentation; collaborate through pull requests and code review

Skills and technology at Speed AI

Ruby, Ruby on Rails, REST APIs, OAuth, JSON, webhooks, RSpec, Rake, Sidekiq, Git/GitHub, GitHub Actions and LLM evaluation

DataWorks Plus | Software Engineer

Sep 2023–Oct 2024

- Developed Android applications for biometric capture and identity workflows used by law-enforcement agencies nationwide
- Built field-facing interfaces with Jetpack Compose, Android Views/ConstraintLayout and reusable components
- Worked with product, engineering and QA to debug capture workflows and maintain dependable releases

TIAA

Jul 2018–Jul 2023

Senior Android Developer | Sep 2019–Jul 2023

- Developed and maintained the TIAA Mobile App and WearOS workflows using MVVM, working across legacy Android Views and modern mobile interfaces
- Contributed RESTful cross-platform services, code reviews and release support; coordinated sprint planning and delivery with a small Android team

Dotnet Developer | Jun 2019–Sep 2019

- Refactored and upgraded internal .NET applications issued to 16,000 employees, integrating Windows APIs and collaborating on requirements, testing and delivery

Azure Cloud Developer | Jan 2019–May 2019

- Built web applications for outside-in network diagnostics with Azure Functions and Cosmos DB; performed unit and system testing

Robotic Process Automation Developer | Jul 2018–Jan 2019

- Automated business workflows with JavaScript, VBScript and process analysis during the Enterprise Technology Rotation

SELECTED PROJECTS

Jot Built local dictation and searchable transcription for Mac, including local transcript storage, search and export, optional on-device writing suggestions, and CLI/MCP access for authorized agents

Apple FM developer tools [VS Code](#) | [Terminal](#) | [Swift](#)

Built an experimental VS Code extension for on-device completion and reviewable refactoring, a zsh autocomplete plugin with explicit acceptance, and a shared Swift library and JSON helper for Foundation Models. Added model diagnostics and checks that reject stale terminal responses.

Splats contributor Contribute to a native SwiftUI and Metal Gaussian splat viewer for Mac, iPad and iPhone. The app supports local scene files, interactive camera controls and offline viewing; public TestFlight beta.

More public work monroes.tech | github.com/StoneHub

EARLIER TECHNICAL EXPERIENCE

Clemson University

2015–2018

Embedded Systems Laboratory Supervisor | Jan 2017–May 2018

- Supervised the Embedded Systems Makerspace, helping students build circuits, program microcontrollers and troubleshoot sensors and lab equipment
- Trained students, faculty and staff in safe equipment use and circuit development

Laptop and Software Support | May 2015–May 2018

- Diagnosed and repaired laptops and electronics for faculty, staff and students; provided software support, troubleshooting and technical guidance

Diverse Automation, Inc.

May 2017–Sep 2017

Engineering Intern and IT

- Supported camera-inspection QA automation and Automation Anywhere workflows in an industrial setting; handled website development, Windows Server maintenance and user support

The Tech Shack | Repair Technician

Aug 2014–May 2016

- Diagnosed and repaired laptops, desktops, televisions and smartphones; standardized troubleshooting processes and trained new technicians

TECHNICAL SKILLS

Languages: Ruby, Kotlin, Java, Python, TypeScript/JavaScript, C#, Swift, VB.NET, VBScript

Applications: Rails, Android, WearOS, Jetpack Compose, Android Views, ConstraintLayout, MVVM, SwiftUI, AppKit, Electron, REST APIs

Cloud and delivery: Azure Functions, Cosmos DB, Firebase Hosting, GCP, GitHub Actions, Docker, Linux, systemd, CI/CD, release packaging

Engineering practice: RSpec, LLM evaluation, automated testing, code review, API documentation, Jira, Confluence, Agile delivery, workflow automation and technical troubleshooting

EDUCATION

Clemson University | BS Computer Science | May 2018

Foundation in operating systems, algorithms, networking, distributed computing, cloud architecture, systems security and embedded systems