

JAKE VAN BUREN Roswell, GA | jakevb8@gmail.com | [LinkedIn](#) | [Github](#)

PROFESSIONAL SUMMARY Lead Software Engineer with over 18 years of experience specializing in mobile architecture and enterprise backend systems. A pioneer in AI-augmented development, leveraging tools like GitHub Copilot and Claude to achieve a 40–50% reduction in development time. Proven track record of leading high-complexity migrations, including a 4x acceleration of Kotlin-to-Flutter transitions and delivering a massive enterprise codebase within an 8-month window.

TECHNICAL SKILLS

- **Mobile:** Flutter, Dart, Kotlin, Java, Android SDK, BLoC Pattern, Event Sourcing, Protobuf, Background Sync.
- **Backend & Cloud:** C#, .NET Core, .NET Framework, SQL Server, RESTful Gateway APIs, Azure AD B2C, ETL Pipelines.
- **AI & Productivity:** GitHub Copilot, Claude, Prompt Engineering, Espresso/Flutter Automation, Two-Terminal POC Workflow.
- **Legacy Systems:** Win32, Windows Mobile, SQLite, ESRI ArcGIS Mobile, Flex.

PROFESSIONAL EXPERIENCE

DataScan | Alpharetta, GA **Lead Software Engineer** | June 2014 – Present

Lead Architect – Flutter & AI-Augmented Migration (July 2025 – Present)

- Generated ~500 hours of development savings over 8 months by integrating AI-assisted workflows into a large-scale mobile migration.
- Accelerated feature delivery by 27–40% through a “Two-Terminal” development pattern, separating rapid AI experimentation from production implementation.
- Engineered a custom Expression Evaluator using Pigeon as a bridge, implementing native JS evaluation via JavaScriptCore (iOS) and Rhino (Android).
- Designed a Background Sync Framework leveraging Dart isolates and asynchronous yielding for robust, non-blocking data synchronization.
- Modernized reporting by replicating legacy Velocity templates and building a Velocity-to-Stencil conversion tool for native iOS rendering.
- Reduced debugging and bug-fix time by 50% by utilizing AI for faster root-cause analysis and pattern consistency.

Lead Software Engineer – Backend & API Systems (2021 – June 2025)

- Contributed as a core team member to the development of enterprise backend services utilizing .NET Framework and SQL Server.
- Collaborated on the implementation of Gateway APIs designed to expose archived audit data to cross-functional products within the organization.

- Supported the modernization of security infrastructure by assisting in the transition from proprietary authentication to Azure AD B2C.
- Maintained and optimized ETL pipelines for dealer imports and automated audit archiving systems using SQL Server.

Senior Android Developer – Dealership Auditing (2014 – 2021)

- Led the full-scale transition of the flagship auditing app from Java to Kotlin, improving performance and maintainability.
- Integrated Google APIs (Maps, Distance Matrix, Geofencing) to automate arrival/departure tracking for audit events.
- Solved complex distributed data issues by engineering conflict management solutions for event-sourced data, ensuring aggregate integrity in a disconnected state.
- Established CI/CD quality standards by building an integration solution for Espresso automation tests.

Hisense USA Corporation | Suwanee, GA **Software Engineer** | February 2013 – June 2014

- Lead developer for social network and cloud services integration team.
- Developed Android TV applications for Vision and Vidaa platforms, integrating Facebook, Google+, Box, and Dropbox APIs.

3-GIS LLC | Decatur, AL **Software Engineer** | July 2007 – January 2013

- Lead developer for Field Express, a C# mobile mapping application for Win32 and Windows Mobile.
- Designed and developed Field Express for Android, utilizing SQLite for offline-first capabilities.

EDUCATION Jacksonville State University | Jacksonville, AL **Bachelor of Science in Computer Science**