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PROFESSIONAL SUMMARY

Software Engineer (BS Computer Science, Clemson University 1996) with strong C/UNIX kernel fundamentals and recent production iOS experience. Creator and ongoing maintainer of SC Class Assistant, an iOS app actively used by hundreds of educators since 2017. After a long health-related career pause that is now 100% resolved, I am excited to return to full- or part-time software engineering, mobile development, or cloud/SaaS roles in the NYC metro area in 2026.

SELECTED PROJECTS

SC Class Assistant – iOS App (2017–Present)
▪ Independently designed, developed, and continue to maintain and update an iPhone/iPad classroom management app used by hundreds of educators worldwide.
▪ Features: interactive seating charts, attendance & behavior tracking, automatic random student picker, group tools, CSV import/export, printable reports, drag-and-drop layout.
▪ All data stored securely on-device (no cloud). Free with optional in-app purchase.
▪ Recently enhanced with round student photo support and ongoing SwiftUI modernization.
▪ App Store: https://apps.apple.com/us/app/sc-class-assistant/id6745229100

SKILLS & TECHNICAL STRENGTHS
▪ Swift / SwiftUI (production iOS apps since 2017)
▪ C / UNIX Kernel & Systems Programming (PowerPC & Motorola 68k)
▪ PHP & Cloud-style Backends (XML APIs, custom CRM)
▪ iOS App Development & App Store Deployment
▪ LAN Administration, Networking, Sockets
▪ Visual Basic, C#, GTK+, Java
▪ CompTIA A+ (valid through May 2024 and renewable)

Anritsu [Custom CRM] (2006–2008)
▪ Designed and built full "cloud-style" solution: PHP remote servers + C# Windows client with XML data synchronization.
▪ Tree-structured hierarchy for major carriers (T-Mobile, Verizon, AT&T, etc.), Outlook export, field-service tracking.

FMail for Windows Store (2012–2015)
▪ Developed and published a POP3 email client in C# / Windows Metro.
▪ Earned several thousand dollars in side revenue.

JavaTris (1996)
▪ One of the earliest web-based Tetris clones (Java applet + Perl high-score server).

PROFESSIONAL EXPERIENCE

Independent Software Developer & Health Recovery   2008–2026
▪ Continued building and shipping real production software (most notably SC Class Assistant) while fully resolving prior health issues.

Concurrent Computer Corporation *(formerly Harris Computer Systems)*   1996–1998
C/UNIX Systems Software Engineer – Quality & Reliability Team
▪ Developed, debugged, and tested UNIX Kernel, Library, and Command Tools for PowerMAX OS / PowerUX (real-time UNIX System V Release IV).
▪ Worked on Motorola 68k and PowerPC architectures.
▪ Key contributions: PPP support, hardclock timer tuning, post-release job-control bug fix.

New York State Unified Court System – *Appellate Division 2nd Dept*   1998–2001
Local Area Network Administrator
▪ Supported Novell and Windows networks across **Mental Hygiene Legal Services** and **NYC Civil Court.**
▪ Ran cabling, maintained databases, provided end-user support.

City Spec, Inc. – Queens, NY   2001
Software Developer
▪ Built Visual Basic application integrated with Microsoft MapPoint for optimized boiler-inspection routing.

Geo-Centers *(now SAIC)*   2001
Senior Engineer II
▪ C/Linux socket programming and GTK+ graphical interfaces for biochemical weapons detection system.

EDUCATION

B.S. Computer Science   **Clemson University**, 1996
▪ Originally Applications emphasis in Geology; switched to Psychology track.
▪ Completed graduate-level courses: Operating Systems Implementation and Programming Language Implementation (built full Pascal compiler with Lex/YACC).

Chaminade High School   Mineola, NY, 1992