James N. Linnell

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WORK AND EXPERIENCE

Since Oct 2022

BLUEBEAM – Senior Software Engineer (Cloud Platform, Identity)
- Cloud engineer on the user identity team, managing the Okta integration and streamlining product authentication for Bluebeam's user base. Developed Golang serverless applications in AWS for tenant management, SSO, and other user management acitivities and flows.
- Completed transition from a legacy identity system to Okta via our API gateway, improving our OAuth and SSO/OIDC configurations for enhanced security and scalability. Coordinated closely with affected teams to provide a seamless migration and cutover of system behavior.
- Engineered our implementation of a SCIM service, integrating Okta with our licensing services and automating user provisioning of end users for corporate customers. Experience with Azure's Entra ID as a SCIM client.

Sept 2020 to Aug 2022

AMERICAN ADVISORS GROUP – Software Engineer (Full Stack)
- Implemented features for a Loan Origination System (LOS) in ASP.NET. Enhanced the customizable loan decision-making engine; integrated with federal services for government reporting; led integration with CoreLogic's systems for automated appraisal management; enhanced internal document handling systems.
- Documented older or unfamiliar sections of the LOS for Business Analysts in order to assist with enhancements. Clearly communicated system capabilities and behavior for documentation and product management team.
- Acted as primary point of contact for escalated platform issues, resolving complex domain-specific problems. Implemented monitoring and integration with DynaTrace for system health.

Jun 2017 to Sept 2020

MERIDIANLINK – Software Engineer (Full Stack)
- Iterative feature development for the Mortgage Credit Link (MCL) credit verification platform. Integrated with credit reporting agencies for credit reports, verification of employment, and fraud checks. Experienced working with homegrown asynchronous report processing backend with MSMQ and XSLT.
- Began modernization effort for MCL by laying the foundation for the move from ASP.NET to Angular, and beginning Azure cloud migration research. Assisted with large refactor of generalized notification system.
- Transitioned to the Application Portal (AP) consumer loan submission app. Led extensive security hardening and stability improvements. Finalized the mortgage app integration with MeridianLink's lending product, decoupling for greater extensibility. Upgraded to ASP.NET Core and completed a deployment to Azure cloud.

Since Oct 2021

WASSERFLUG – Personal Project – API spec and tvOS app for Floatplane
- Reverse-engineered and documented the proprietary API for Linus Media Group's Floatplane, a streaming service for online content creators in the tech sector. Leveraged OpenAPI to automate generation of documentation and client-side code. Published this schema and documentation for the community to use.
- Wrote an Apple TV application for Floatplane in SwiftUI with the OpenAPI schema, allowing the community to use the service on their TVs in addition to the official website and mobile apps.
- Published to the App Store. Ongoing support and new feature requests. Open source software with irregular maintenance with help from community feedback.

EDUCATION

Sept 2013 to Mar 2017

UNIVERSITY OF CALIFORNIA, IRVINE
Bachelor's of Science in Computer Science
Magna Cum Laude | University GPA: 3.931 | CompSci Major GPA: 4.0

COMPUTER SKILLS

Advanced Languages   Go, C#, Swift, JavaScript, TypeScript, SQL, Objective-C, Bash, HTML/CSS
Intermediate Languages   C, C++, Java, LATEX, Python, PHP, PowerShell, XSLT, VB

Advanced Knowledge   AWS, SwiftUI, Go ecosystem, ASP.NET ecosystem, Angular, React, OpenAPI, Okta, OAuth/OIDC
Intermediate Knowledge   Terraform, WPF, WCF, MSMQ, Kibana, jQuery, Azure, Bootstrap, Docker

Course Work   Embedded systems, Networking, Compilers, Operating System Internals, Computer Architecture, Databases (MySQL), Distributed Systems, Cryptography