Iain Black

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 Github | Linkedin | Portfolio

SKILLS

Languages & Tools	TypeScript, JavaScript, C#, SQL, Python, HTML/CSS React, Next.js, React Native, .NET Material-UI Azure (App Service, Blob Storage, Container Registry), AWS, Docker Auth0, OAuth, SAML, MFA Stripe, SignalR, REST APIs

EXPERIENCE

Accruent   May 2023 - Present

Software Engineer II   *Austin, TX (Remote)*

• Contributed to the evolution of a central authentication platform supporting over 10,000 users across 12+ en-terprise applications. Enhanced reliability and scalability by delivering secure, high-performance endpoints for custom login flows, SSO, and MFA integrations.

• Enabled seamless user migrations by developing a bulk user registration endpoint in .NET. This feature streamlined the migration of over 2,000 users for a major client, greatly reducing migration overhead.

• Improved admin usability and client satisfaction by expanding the React-based admin UI to support tenant-specific branding. Delivered tools that allow clients to upload custom logos and background images, securely managed via Azure Blob Storage, ensuring a seamless and branded login experience for hundreds of tenants.

• Collaborated directly with clients and internal teams to troubleshoot authentication and workflow issues, en-suring critical systems remained operational. Delivered timely fixes to improve client satisfaction and enhance system reliability for thousands of users.

GrowthZone (formerly Juno)   Sep 2022 - March 2023

Senior Software Engineer   *Post Falls, ID*

• Contributed to the development of a community and learning platform at a fast-paced startup. Delivered high-impact features under tight deadlines while navigating the challenges of a rapidly changing environment, sup-porting the platform's growth and client retention.

• Delivered a gamification leaderboard feature within the first week, adapting quickly without formal onboarding. On-time delivery was critical in retaining a key client and securing essential revenue for the company.

• Led the transition of an outdated codebase to a modern tech stack, improving performance, maintainability, and development speed. This upgrade directly enabled the integration of critical new features.

Verint   June 2020 - September 2022

Software Engineer   *Spokane, WA*

• Contributed to the development and enhancement of conversational AI software for multiple clients, leading all development efforts for a delivery team. Partnered with stakeholders to translate business needs into technical solutions, delivering full-stack features on time and driving improved client engagement.

• Led the development of a shared React component library to standardize UI across client platforms. Refactored existing components to leverage Material-UI's configurable themes, improving customization and scalability. De-livered reusable components that reduced development time and ensured consistency across all client-facing applications.

NOTABLE PROJECTS

CPQ and Analytics Platform   Dec 2023 - Present

Full Stack Developer / Cloud Architect   *Seattle, WA*

• Designed and built a B2B platform to centralize inventory tracking and sales workflows for complex, enterprise-level machinery. Key features include automated bulk data entry, multi-tenant user management with RBAC, data versioning, business insights, and a custom CMS for tailored CPQ experiences.

• Designed and implemented a scalable backend using Azure services, including a .NET REST API and PostgreSQL database. Leveraged Docker and Azure Container Registry for streamlined deployments, Blob Storage for cost-effective data storage, the psql CLI for on-demand database backups and restores, and App Service for scalability. SignalR was also used to provide real-time feedback on asynchronous processes, enhancing responsiveness.

• Built a user-friendly interface with React and Next.js 14, integrating Auth0 for secure access control and user management, including tenant assignments and user invitations via the Auth0 API. Implemented dynamic routing to support multi-tenancy, ensuring tailored experiences for each organization. Integrated Stripe for subscription-based billing, establishing the platform as a true SaaS solution.

• Wrote optimal database queries to extract actionable insights from tens of thousands of entries. Developed interactive data visualizations to highlight equipment usage distribution, sales trends, and maintenance fore-casts. These analytics tools enable companies to make data-driven decisions, reduce operational costs, optimize inventory, and improve overall efficiency.

EDUCATION

Bachelors in Computer Science, Minor in Business   2016 - 2020

Whitworth University   *Spokane, WA*