Evan Bausbacher

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SUMMARY

Full-Stack Software Engineer with 4+ years of experience architecting and delivering scalable web applications, mobile solutions, and AI-integrated systems. Proven leader and collaborator with expertise in modern tech stack (React, Python, .NET, TypeScript) and hands-on experience in cloud infrastructure, microservices, and machine learning integration. Strong problem-solving abilities with track record of leading end-to-end product development, implementing robust testing strategies, and driving technical decisions in fast-paced agile environments. Excellent written and verbal communicator experienced in client-facing technical presentations and cross-functional team leadership.

TECHNICAL SKILLS

Languages: C#, Python, TypeScript, JavaScript, Java, SQL
Frontend: React, Next.js, Angular, Tailwind CSS, Redux, HTML/CSS, Material-UI
Backend: .NET Core, FastAPI, Node.js, RESTful APIs, gRPC, Microservices
Mobile & Desktop: React Native, MAUI, Xamarin, Electron
Databases: PostgreSQL, SQL Server, MongoDB, Redis
Cloud & DevOps: Docker, AWS (EC2 & S3), GitHub Actions, CI/CD
Testing: Jest, Moq, Unit/Integration/E2E Testing, Test-Driven Development
AI/ML: Anthropic APIs, Data Analysis, Predictive Modeling, Federated Learning, AI Training Pipelines
Security: OAuth, SAML, JWT, Authentication Systems
Tools & Methodologies: Git, SignalR, Kafka, Stripe, Postman, Agile/Scrum, Code Review

WORK EXPERIENCE

Software Engineer | ProtoLink Inc.   June 2021 – Present

- Spearheaded cross-platform mobile application development using Xamarin and Windows services, improving medical software update efficiency by 500% through seamless mobile-service integration for hemodynamic monitoring devices
- Designed and built real-time monitoring web application enabling remote hemodynamic device management for Fortune 500 client, leveraging strong analytical skills to architect scalable backend systems, managing high-volume parallel connections, resulting in 16x efficiency improvement for clinical teams
- Developed enterprise-scale simulation tool capable of emulating 40,000 infusion pumps using .NET, demonstrating technical leadership and innovative thinking to accelerate testing and validation for hospital software deployed worldwide
- Architected custom EMR demonstration platform using Angular, PostgreSQL, and .NET Core, collaborating closely with sales teams and applying user-centered design principles to empower 150+ client demonstrations with intuitive user experience
- Designed medical data evaluation tool using Angular and .NET, applying creative algorithms and process optimization mindset to streamline data analysis workflows, reducing system evaluation time by 300% through innovative software architecture
- Led comprehensive modernization initiatives including migrating six Windows services to Docker containers and upgrading systems from .NET Framework 4.8 to .NET 9 with gRPC APIs, improving scalability, cross-platform compatibility by 75%, and system performance for global enterprise deployments

Professional Cyclist   **January 2018 – January 2024**
- National Champion and multi-time State Champion with leadership experience as Road Captain, demonstrating exceptional performance under pressure, strategic decision-making, and disciplined execution in high-stakes environments
- Consistently trained/traveled 20+ hours per week and maintained elite performance throughout Electrical Engineering curriculum and work career

KEY PROJECTS

Texas Cycling Stats - Full-Stack Sports Analytics Platform   **June 2025**
- Built and deployed production-ready platform using Next.js/React with TypeScript, FastAPI backend, and PostgreSQL, featuring Stripe payment integration, JWT authentication, and scalable CI/CD infrastructure with GitHub Actions
- Implemented automated data pipeline processing 20,000+ records with comprehensive ETL workflows, data validation, and error handling using Python
- Created comprehensive testing suite with Jest unit tests, integration testing, and E2E test automation ensuring code quality and system reliability

Texas Legal Docs - AI-Powered Legal Document SaaS Tool   **February 2025**
- Built and deployed legal SaaS platform using Next.js/React, Python FastAPI, and PostgreSQL with Stripe payment integration, achieving sub-30-second AI document generation serving Texas consumer protection market
- Integrated Anthropic Claude API with custom training pipeline processing lawyer-written templates to generate DTPA-compliant demand letters from user input
- Engineered secure microservice architecture with RESTful APIs, NextAuth.js authentication, and webhook automation connecting payments to AI services, handling sensitive legal/financial data with PCI compliance and supporting concurrent user sessions

Machine Learning Research & Applications   **April 2021**
- Trained ML model for medical imaging focused on eye-disease detection, demonstrating expertise in healthcare AI applications and model validation with 96% accuracy
- Developed predictive modeling systems for sports analytics using Python, implementing data analysis pipelines and statistical modeling for performance prediction, achieving 72% accuracy across 4 sports leagues for the following year
- Conducted federated learning research on resource-constrained devices, exploring distributed AI architectures and edge computing optimization

EDUCATION

The University of Texas at Austin   **December 2021**
Bachelor of Science, Electrical Engineering
Software Engineering and Design
Overall GPA: 3.64/4.0