

Eddie Hedges - Kansas City, MO

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PLATFORM ARCHITECT | FULL-STACK ENGINEER | TECHNICAL LEADER

Platform architect with 14 years building scalable, event-driven systems across fintech, identity, and enterprise applications. Deep expertise in TypeScript/Node.js ecosystems, distributed architectures, and AI-integrated product development. Proven track record designing service-oriented platforms, leading SOC 2 compliance, and translating business vision into production systems. Technical multiplier who elevates engineering quality through mentorship, architectural standards, and hands-on execution. Lifelong learner fluent in modern JavaScript stacks and cloud-native infrastructure.

Experience

Carppty

Director of Engineering - July 2021 - Present

Player/coach engineering leader for automotive fintech startup managing 2-3 teams of 3-5 engineers. Built platform infrastructure while maintaining hands-on technical contributions (3,155+ commits across 5 years). Led teams through Agile/Scrum methodologies driving continuous improvement, engineer development, and organizational visibility. Owned security compliance and strategic partnerships.

Product Leadership

- Led architecture and development of Flexline™ line-of-credit product from inception through maturation, enabling individuals, small businesses, and joint applicants to access flexible vehicle financing. Platform funded \$52M+ in auto loans with average asset size of \$37k and 1.7 assets per flexline
- Built AI-powered underwriting system enabling underwriting professionals to train decision models; grew automated approvals to >33% of all decisions, reducing manual review burden while maintaining risk standards
- Launched business application product growing from 0 to greater than 30 assets funded monthly; business loan portfolio doubled profitability on loan sales
- Architected continuous risk lookback system for dynamic line sizing, real-time transaction funding decisions, and ongoing portfolio health assessment
- Built V3 Valuation Tool (with Head of Data Science) powering customer-facing and internal vehicle valuations for funding decisions
- Strategically restructured engineering teams to align with evolving business needs, establishing domain-specific focus areas (applications, transactions, servicing)

Strategic Partnerships & Revenue Enablement

- Led first-of-its-kind DealerTrack API integration with Cox Automotive, completing in record time and receiving testimonial from their API Integration Team. Built complete Westlake Direct funding infrastructure (SFTP, DocuSign) enabling Flexloan™ product launch with institutional funding partner
- Architected and executed migration of Flexline portfolio to new servicing vendor, improving auditability and team functionality; built fully-branded customer payment portal when vendor failed to deliver

Platform & Performance

- Improved backend performance by 95% upon joining, reducing Lambda compute costs and dramatically improving customer experience
- Designed event-driven architecture using AWS EventBridge and SQS for async processing and service decoupling across 13+ serverless microservices
- Implemented CI/CD pipeline enabling safe, frequent deployments across environments

Integrations & Technical Infrastructure

- Built integrations with credit bureaus (Experian, TransUnion), servicing vendors (Peach, LoanPro), CRM (HubSpot), document signing (DocuSign), and dealer networks (DealerTrack)
- Implemented RDS Proxy connection pooling and DynamoDB caching for high-traffic flexline data
- Architected webhook infrastructure for third-party financial services events

Security & Compliance

- Co-led SOC 2 Type 1 certification preparation and successful audit with Head of Engineering
- Owned security vendor selection and penetration testing coordination; personally remediated all findings immediately

Stack: *TypeScript/Node.js, React, AWS, Serverless, PostgreSQL, REST APIs*

Bloom Protocol

Director of Engineering - Consumer App | May 2020 - July 2021

Led mobile and infrastructure teams for decentralized identity startup. Established compliance framework and contributed to industry standards.

- Led architecture and development of Bloom mobile app (iOS/Android native), Bloom SSI SDK, and BloomID cloud infrastructure
- Technical contributor to WACI-DIDComm Interop profile defining credential issuance and presentation protocols between holders, issuers, and verifiers; implemented presentation exchange in native mobile apps and issuance backend as primary implementer
- Led SOC 2 Type 1 compliance preparation and successful certification
- Translated business operations decisions into actionable technical roadmaps while maintaining Senior Full Stack Engineer responsibilities

Senior Full Stack Engineer | May 2018 - May 2020

- Designed and deployed Ethereum blockchain-based decentralized identity and credit scoring protocols
- Stack: PostgreSQL/Sequelize, Node/Express, React, TypeScript
- Infrastructure: Heroku, Google Cloud Platform, Kubernetes (GKE)
- Integrated Twilio for real-time communication features

911 Datamaster

Senior Developer | October 2017 - May 2018

Application Developer II | June 2015 - September 2017

Design, develop, install, and maintain software implementing next-generation emergency response

systems

- Built and deployed production LVF/ECRF for the state of NH's 911 call takers
- Built event-driven systems using RabbitMQ message queues
- Hosted on Windows Server, IIS, Microsoft SQL Server
- Languages: T-SQL, C#, JavaScript, HTML, SASS/CSS
- Tools: Visual Studio 2010-2017, SQL Server Management Studio
- Version control: Git, Visual Studio Online (VSTS)

KU Coding Bootcamp

Teaching Assistant | June 2017 - December 2017

Taught, mentored, and assisted students through the Trilogy Education Services web development curriculum

Garmin International, Incorporated

Software Engineer 2B | February 2015 - June 2015

Developed device interaction software solutions on Agile team using JIRA for project management

- Stack: C#, JavaScript, T-SQL, Visual Studio 2012/2013
- Tools: Git, Git Extensions, Gerrit, NuGet, ProGet, BuildMaster, Splunk

ScriptPro LLC

Software Engineer | March 2013 - February 2015

Developed pharmacy management software on team incorporating Agile/Scrum methodologies

- Server: Windows Server 2008 R2, IIS 7.5, SQL Server 2008 R2
- Backend: C#, ASP.NET Web API, ASP.NET MVC, WCF
- Frontend: HTML5, Razor, Sass/CSS, JavaScript (jQuery, Knockout, Kendo UI, AngularJS)
- Tools: Visual Studio 2012/2013, SQL Server Management Studio, Team Foundation Server

ACEware Systems

Web Developer | February 2012 - March 2013

Developed continuing education software for the web

- Infrastructure: AWS EC2, Apache Tomcat 7, MySQL
- Stack: Java with JSF, XHTML, Richfaces, CSS, JavaScript
- Tools: Eclipse IDE, MySQL Workbench, Linux command line

Technical Skills

Languages: TypeScript, JavaScript, SQL (PostgreSQL, T-SQL, MySQL), C#, Python, HTML/CSS/SASS

Cloud/Infrastructure: AWS (API Gateway, EventBridge, SQS, Lambda, DynamoDB, RDS, S3),

Serverless Framework, Docker, Kubernetes, Google Cloud, Heroku, and Azure

Tools: VS Code, GitHub Copilot, AWS Copilot, Git, CircleCI, Visual Studio

Specialties: Event-driven architecture, message queues, AI/ML integrations, fintech integrations, security compliance (SOC 2), CI/CD pipelines

Other: Fluent in Spanish, Certified Scrum Master

Education

Kansas State University, B.S. in Information Systems | August 2009 - December 2012

Business Minor | 3.256 GPA