Kevin Lane
Software Developer

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Summary

Dynamic and results-driven Software Developer with expertise in full-stack development across a range of modern technologies and frameworks. Passionate about the problem-solving aspect of software development, whether it's debugging complex code issues or architecting comprehensive workflows at the business level. Proficient in creating scalable, secure, and high-performance web applications and microservices, with a strong focus on improving system efficiency and data accessibility. Demonstrated success in architecting solutions, optimizing workflows, and enhancing system performance in fast-paced environments. Experienced in deploying event-driven systems, automating processes, and leading technical initiatives. Skilled in Azure Cloud Services, Docker, and modern database technologies, including MySQL and MongoDB, with a deep understanding of Agile methodologies and DevOps practices. Seeking to increase knowledge and skill set in both depth and breadth, finds fulfillment in helping others with their challenges. Passionate about teaching technology concepts through tech talks and small group collaborations. A professional looking to guide others and contribute at a higher level.

Key Competencies:

- **Full Stack Development**: Java, Spring Boot, C#, .NET, Angular, React, Vue.js, Node.js, HTML5, CSS, JavaScript, TypeScript, SCSS
- **Database Management**: MySQL, MongoDB, MSSQL, Entity Framework
- **Cloud & DevOps**: Azure Cloud Services, Docker, CI/CD Pipelines, Git
- **API Development**: OAuth-secured APIs, WebSockets, RESTful APIs

Experience

Senior Consultant, Allata LLC   06/2022-04/2024

- Architected a system to track batched data through multiple service bus queues, enabling status transparency to the business team.
- Engineered and restructured file download processes into a versatile, highly extensible microservice architecture, dramatically enhancing system efficiency and reducing download times by up to 400%. This optimization significantly improved user experience and operational workflows, establishing a scalable foundation for future integrations and functionality expansion.
- Spearheaded the deployment of a WebSocket server to enable real-time, event-driven updates, enhancing system responsiveness and providing users with seamless, instantaneous data refreshes.
- Led comprehensive unit testing initiatives to ensure functional integrity, identifying and resolving critical issues early in the development lifecycle, resulting in a more reliable and stable application.
- Delivered technical presentations and created documentation and diagrams for complex data flows.
- Collaborated closely with customers to understand their goals and deliver scalable, cost-effective solutions.
- Developed innovative software and processes to address complex business challenges.
- Actively collaborated with cross-functional teams to align product outcomes with business goals, driving consistent, on-time project deliveries, ensuring the quality of both product and process delivery.
- Continuously learn and apply new technologies, development processes, and business domains.
- Demonstrated reliability and proactivity by consistently delivering high-quality results on assigned tasks while leveraging trust and autonomy to identify and implement improvements for each project.

Software Engineer, In Time Tec   08/2021-06/2022

- Automated MySQL database updates by designing a custom solution that eliminated manual intervention, improving data accuracy and streamlining operational efficiency.
- Customized and optimized Splunk dashboards to monitor critical application health and performance metrics, enabling proactive issue detection and faster response times.
- Developed and deployed a secure OAuth-based web API, safeguarding sensitive data and enabling seamless user authentication across multiple platforms.

- Implemented a continuous deployment pipeline using Azure DevOps, accelerating release cycles and ensuring smooth, automated delivery of new features and updates.
- Convert business requirements into technical documentation using UML diagrams.
- Adhered to and implemented secure coding guidelines to protect applications from vulnerabilities and ensure compliance with industry security standards.
- Collaborated with team members to provide clear communication and set realistic expectations, ensuring alignment on project goals, timelines, and deliverables for seamless teamwork and successful outcomes.

Software Developer, Mesh Software LLC (contract)   10/2020-07/2023

- [Flatout MotorSports (www.flatout motorcycles.com)](www.flatout motorcycles.com)
- Strengthened data security by rerouting API calls through an OAuth-secured server, significantly reducing unauthorized access and ensuring compliance with security best practices.
- Enhanced data accessibility and performance by updating MySQL tables and optimizing server functions, leading to faster query execution and improved data retrieval processes.
- Developed advanced, intuitive data modals that empowered the sales team with real-time insights, improving data-driven decision-making and boosting overall sales performance.
- Elevated application performance, speed, and security by modernizing and refactoring legacy code, resulting in a more robust and scalable system.

Education

Certificate in Software Development, Codeworks (2020)
- Field: Full Stack Web Development
- Coursework/Technologies: Vue.js, Node.js, .NET, MySQL, MongoDB, Bootstrap, Axios, jQuery, Auth0, and RESTful APIs

Projects

TimeTrackers – Time Tracking Application
Technologies: Vue.js, Node.js, MongoDB

- Developed a robust full-stack time tracking application, enhancing time management for freelancers and businesses.
- Integrated secure PayPal payment processing for seamless transactions and improved user trust.
- Implemented functionality for generating and downloading customizable invoices using Docx.js and FileSaver.js, streamlining billing processes.
- Supported multiple billing cycles, providing flexibility for various user needs and improving overall efficiency.

TexasHold 'em – One-Week Hackathon Project
Technologies: Vue.js, Node.js, MySQL

- Designed and developed an interactive Texas Hold'em poker game as part of a fast-paced hackathon project, demonstrating agile development skills and teamwork.
- Leveraged WebSockets to implement real-time game updates, ensuring seamless player interactions and enhancing the gaming experience.
- Enabled robust multiplayer functionality, allowing users to compete in dynamic sessions, fostering engagement and enjoyment.

AZ204Training – Quiz Application
Technologies: Angular, .NET, Entity Framework, MySQL

- Developed a customizable quiz application tailored for AZ-204 exam preparation, enhancing users' learning experiences by allowing focus on key topics and areas of interest.
- Utilized Angular for a responsive front-end, ensuring an intuitive user interface that facilitates seamless interaction.
- Integrated .NET and Entity Framework for robust back-end functionality, managing data efficiently with MySQL for reliable performance.
- Deployed the application using the same Azure services covered in the exam, providing users with practical experience and familiarity with the cloud platform.