JOIN OUR ENGINEERING TEAM

Senior Full-Stack Software Engineer

Build technology for the equestrian industry.

LOCATION
Bay Area / Vacaville, CA

ANNUAL BASE SALARY
$120,000–$200,000

EMPLOYMENT
Full-time • Permanent • Hybrid

VISA SPONSORSHIP
May be considered

About Sporthorse Online

Sporthorse Online is a California-based software company developing innovative digital solutions for the equestrian industry. Our mission is to simplify the day-to-day operations of equestrian businesses through intuitive, reliable and purpose-built software.

Our flagship product, BarnDoor, is a cloud-based equestrian management and CRM platform available through web, iOS and Android applications. BarnDoor enables horse owners, trainers and equestrian businesses to manage their horses, contacts, facilities, medical records, feeding programs, recurring activities and other operational workflows.

Our growing product portfolio also includes ScoreThatRide, a spectator scoring and audience engagement platform for equestrian competitions, and other digital solutions designed for the equestrian community.

About the role

We are seeking an experienced, highly motivated Senior Full-Stack Software Engineer to take end-to-end technical ownership of our existing and future software products. As our dedicated in-house engineer, you will partner closely with Product Management to translate business objectives, functional requirements and product specifications into secure, scalable, maintainable and high-quality technical solutions.

This is a hands-on individual contributor role with significant autonomy and influence over technical architecture, engineering practices and technology decisions. The ideal candidate combines deep software engineering expertise with a strong product mindset, sound technical judgment and the ability to work independently across multiple technology stacks.

You will own the entire technical software development lifecycle, including frontend and backend development, mobile applications, cloud infrastructure, automated testing, deployment, release management and production support. We actively embrace AI-assisted development to accelerate delivery, improve software quality and increase engineering efficiency.

Key responsibilities

Product Management partnership

- Partner closely with Product Management to understand business objectives, functional requirements, product specifications and customer use cases.
- Translate business and functional requirements into well-designed, scalable and maintainable technical solutions.
- Actively participate in requirements refinement and technical solution design.
- Evaluate technical feasibility, implementation complexity, dependencies and architectural implications of proposed features and enhancements.
- Provide reliable development estimates and communicate technical risks, constraints and trade-offs to support product prioritization and release planning.
- Constructively challenge requirements and propose alternative technical solutions where appropriate.
- Proactively identify opportunities to simplify implementation, improve application performance and reduce long-term maintenance costs.
- Communicate technical concepts and decisions clearly and effectively to technical and non-technical stakeholders.

Full-stack software development

- Design, develop, maintain and enhance web applications, backend services and mobile applications across the Sporthorse Online product portfolio.
- Take end-to-end technical ownership of features, from requirements analysis and technical design through implementation, testing and production deployment.
- Develop secure, reliable, scalable and performant APIs and application integrations.
- Implement responsive, accessible and consistent user interfaces based on established product specifications and designs.
- Ensure functional consistency and reliability across web, iOS and Android applications.
- Maintain and evolve existing application architectures, data models and business logic.
- Write clean, modular, reusable, well-documented and maintainable code.
- Identify and address technical debt, architectural limitations and performance bottlenecks.
- Evaluate technology choices and architectural approaches based on scalability, security, maintainability, performance and cost.
- Develop new software products and capabilities from the ground up when required.

Engineering & operations

Mobile application development and release management

- Develop, maintain and enhance cross-platform mobile applications using Flutter and Dart.
- Manage the complete technical release lifecycle for iOS and Android applications.
- Maintain application signing, provisioning profiles, build configurations and distribution processes.
- Manage application builds and releases through Apple App Store Connect, TestFlight, Google Play Console and Firebase App Distribution.
- Ensure compatibility with operating system updates, device requirements and evolving app store policies.
- Maintain and improve mobile application performance, reliability and stability.
- Monitor application crashes, technical errors and production performance.

Cloud infrastructure and DevOps

- Take ownership of AWS cloud infrastructure and all application environments, including development, staging and production.
- Design, maintain and continuously improve CI/CD pipelines, build automation and deployment processes.
- Ensure infrastructure reliability, scalability, availability, security and cost efficiency.
- Implement and maintain effective monitoring, logging, alerting and system observability.
- Manage application configurations, dependencies, infrastructure changes and security updates.
- Maintain appropriate backup, disaster recovery and business continuity mechanisms.
- Continuously improve infrastructure automation and reduce manual operational processes.
- Evaluate cloud resource utilization and identify opportunities for infrastructure optimization.

Production support and application reliability

- Monitor the health, availability and performance of production applications and infrastructure.
- Investigate, troubleshoot and resolve production defects, infrastructure issues and application failures.
- Respond to critical production incidents, including outside standard working hours when necessary.
- Conduct root cause analysis and implement sustainable corrective and preventive measures.
- Collaborate with Product Management on the technical investigation, prioritization and resolution of reported application defects.
- Maintain technical documentation, operational runbooks and incident recovery procedures.
- Proactively identify reliability, security and performance risks before they impact customers.

Quality, AI & integrations

Software quality and test automation

- Take ownership of software quality and technical release readiness across all application platforms.
- Design, develop and maintain automated unit, integration, regression and end-to-end tests.
- Maintain and expand existing web and mobile application test automation frameworks.
- Integrate automated testing, code quality checks and quality gates into CI/CD pipelines.
- Establish and continuously improve test coverage across frontend, backend and mobile applications.
- Conduct performance testing and identify opportunities for application and API optimization.
- Establish reliable release validation processes to minimize production defects and regressions.
- Leverage AI-assisted development tools to improve test coverage, test development, defect identification and root cause analysis.

AI-assisted software engineering

- Actively leverage modern AI-assisted development tools throughout the software development lifecycle.
- Use AI-assisted workflows to accelerate software implementation, debugging, refactoring, testing, documentation and technical analysis.
- Establish and continuously improve AI-assisted engineering practices, workflows and development standards.
- Critically evaluate and validate AI-generated code, architectural recommendations and technical solutions.
- Maintain high engineering standards and ensure AI-generated outputs meet established quality, security and maintainability requirements.
- Apply appropriate security, privacy and intellectual property safeguards when working with AI tools.
- Stay informed about emerging AI development technologies and evaluate their practical application within the engineering environment.

Third-party integrations and technical services

- Develop, maintain and enhance integrations with third-party platforms and services.
- Maintain technical integrations related to payment processing, subscription management, authentication, analytics and transactional communications.
- Ensure third-party dependencies and integrations remain secure, reliable and compatible with evolving application requirements.
- Evaluate new technologies, frameworks, platforms and services based on technical suitability, business value, cost and long-term maintainability.

Qualifications

Required qualifications

- 12+ years of professional software engineering experience, with substantial hands-on experience across frontend and backend application development.
- Demonstrated experience designing, developing, deploying and maintaining production-grade software applications and SaaS platforms.
- Strong proficiency in Java and backend application development, including Spring Boot and related frameworks; Angular, TypeScript, JavaScript, HTML and CSS.
- Experience developing and maintaining cross-platform mobile applications using Flutter and Dart or comparable technologies.
- Strong experience with RESTful APIs, backend services, third-party integrations, relational databases, SQL, data modeling and database performance optimization.
- Hands-on experience managing AWS cloud infrastructure and production application environments, CI/CD, infrastructure automation, build management and deployments.
- Experience with automated unit, integration and end-to-end testing; production operations, troubleshooting and incident resolution.
- Strong understanding of software architecture, design patterns, application security, scalability and performance optimization.
- Demonstrated hands-on experience with AI-assisted development tools such as Claude Code, Cursor or GitHub Copilot.
- Ability to independently own complex technical initiatives from requirements analysis through deployment, manage competing priorities and work with minimal supervision.
- Strong product mindset, effective partnership with Product Management, and excellent analytical, problem-solving, organizational and communication skills.
- Bachelor's degree in Computer Science, Software Engineering or a related technical discipline, or equivalent professional experience.
- Based in the San Francisco Bay Area, with the ability to attend in-person meetings in Vacaville, California, as needed.

Preferred qualifications

- Experience in a small, founder-led company or startup as primary technical owner of production products; maintaining and modernizing established codebases.
- Experience managing iOS and Android releases; Appium, TestNG, Maven, JMeter, Jenkins, Codemagic, Terraform or comparable tools.
- Experience with AWS CloudWatch, Firebase Analytics, Crashlytics, Remote Config, subscription SaaS, Stripe and Chargebee.
- Experience across multiple product stacks, establishing engineering standards and documentation, and developing AI-powered features or technical automation.
- Interest in the equestrian industry is a plus but is not required.

Our technology stack

Frontend
Angular, TypeScript, JavaScript, HTML, CSS

Backend
Java, Spring Boot, Spring Security, RESTful APIs, SQL

Mobile
Flutter, Dart, Xcode, Android Studio, Gradle

Cloud & infrastructure
AWS, Terraform, AWS CloudWatch

DevOps & CI/CD
Git, GitHub, Jenkins, Codemagic

Testing & quality assurance
Appium, Java, TestNG, Maven, Apache JMeter

Mobile distribution
Apple App Store Connect, TestFlight, Google Play Console, Firebase App Distribution

Analytics & monitoring
Firebase Analytics, Firebase Crashlytics, Firebase Remote Config, Mixpanel

Third-party integrations
Stripe, Chargebee, OpenWeather and other external service providers

Collaboration & documentation
Jira, Confluence

AI-assisted development
Claude Code and other modern AI development tools

What makes this opportunity unique

- Significant technical ownership and autonomy across an entire software product portfolio.
- Direct collaboration with company leadership and Product Management.
- The opportunity to influence technical strategy, architecture, technology choices and engineering standards.
- A diverse range of challenges spanning web, mobile, cloud infrastructure, automation and emerging technologies.
- The opportunity to enhance established software products while developing new applications from the ground up.
- An engineering environment that actively embraces AI-assisted development and continuous improvement.
- A direct and tangible impact on software quality, customer experience and business outcomes.