Aalap Shastri

Senior Software Engineer – Product & Technology

aalapjshastri@gmail.com • (973) 563-4112
• LinkedIn • New York, NY, US

Technical leader with 8 years of experience driving product and engineering initiatives. Demonstrated success in driving product vision, leading cross-functional teams, and delivering user-centric solutions that drive business growth. Proven track record of bridging technical expertise and product development to launching successful products that contributed to company IPO, optimizing user experiences, product roadmap, and making data-driven decisions to achieve measurable results. Seeking to leverage technical background and product experience to drive innovation and growth as a Product Manager.

Core Competencies

- Product Strategy
- Roadmap Development
- Cross-functional Leadership
- Stakeholder Management
- Data-Driven Decision Making

- Microservices & API Integration
- User Experience Enhancement
- Software Project Management
- Database Management
- CI/CD Pipeline Optimization

- Agile Methodologies
- Technical Documentation
- System Architecture & Design
- Code Optimization
- Full-Stack Development

Technical Proficiencies

- **Languages:** Java | JavaScript | TypeScript | C# | Python | PHP | HTML | CSS/SASS | SQL | XML | XSLT
- **Frameworks**: Spring Boot | Spring | React | Node.js | React Native | Ember.js | Redux | .NET

Professional Experience

Freddie Mac, *New York, NY*   **April 2023 — Present**
Senior Software Engineer

Led product development and technical strategy for internal productivity tools, collaborating with stakeholders to define vision and roadmap while managing cross-functional teams. Draft comprehensive technical design documents, implement proprietary applications in Java with Spring Boot to capture and manage architecture, metadata, and data lineage, optimizing project management and productivity tracking

- Increased engineering productivity by 40% through development of integrated architecture and metadata management platform, leading discovery sessions and implementing solutions based on user feedback
- Achieved 90% user satisfaction rate by championing user-centric design in development of custom timesheet service, conducting user interviews and iterating based on feedback
- Established data governance framework reaching 80-90% compliance rate through development of role-based access control system
- Led cross-functional team of 5 engineers, working directly with product stakeholders to prioritize features and deliver quarterly roadmap objectives

Olo, *New York, NY*   **October 2016 — May 2022**
Software Engineer II (Dec 2020 - May 2022)

Drove product strategy and development for white-label mobile web platform, leading to successful company IPO. Pioneered integration of multiple microservices and third-party APIs like DoorDash, Google, and Uber Eats following Agile practices. Led a cross functional team including Product Managers and UX designers to enhance requirements and drive product vision for Customer Data Platform

- Increased customer engagement through redesign of mobile web platform, leading user research and coordinating with UX team to implement responsive design establishing application as a key cornerstone of the company's IPO.
- Reduced query times by 50% and AWS costs by 30% through development of new search interface, collaborating with Product and UX teams to optimize user experience
- Generated additional revenue for clients through enhanced digital coupon system, leading cross-functional team to improve redemption rates by 70%

- Significant grew platform reach and order rate through implementing integration partnerships with DoorDash, Google, Uber Eats, and Amazon

Software Engineer I (Dec 2018 - Dec 2020)

Focused on enhancing product development efficiency and user customization capabilities while working closely with UX Design team to establish foundational design systems. Developed a customer-facing CMS, enabling client-specific customizations such as image uploads, branding options, app layout selection, menu variations, and pricing override logic.

- Launched universal design system that reduced development time by 40%, leading collaboration between engineering and design teams and allowing for consistent user experiences across products
- Increased client customization options through development of customer-facing CMS, directly engaging with clients to understand needs
- Improved deployment efficiency by 60% through CI/CD pipeline optimization significantly reducing time to market for software releases.
- Enhanced software deployment process, achieving a more rapid release cycle and faster time to market.

Junior Software Engineer (Oct 2016 - Dec 2018)

Early engineering hire on Product and Technology teams focused on ordering web platform team, establishing accessibility standards and developing white-label solutions for enterprise clients.

- Led accessibility initiatives achieving WCAG AA compliance, conducting user research and implementing solutions that increased disabled user engagement by 45%
- Expanded white-label solution capabilities and enabled company to support a broader range of brands and client requests through implementation of CSS Modules system

Volunteering Experience

Code Nation, *New York, NY*

Coding Instructor (Sep 2023 - June 2024)

Empowered students in under-resourced schools with essential coding knowledge and professional experience, opening doors to technology careers.

Education

Bachelor of Science in Marketing, Computer Science

Rutgers University, 2016

Dean's List 2012-2014