

DYLAN HOUSE

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thedylanhouse.com

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PROFESSIONAL SKILLS

LANGUAGES Java, C++, C#, TypeScript

SPECIALIZATIONS Distributed Systems, Backend, Operations, API Development, Tooling and SDK Development, Pipeline Development, Game Development

PROFESSIONAL EXPERIENCE

Software Engineer

Amazon

07/2017 – 01/2023

Amazon Luna

- Led the modeling and provisioning of new infrastructure for existing services, ensuring reliability and availability in the European market.
- Collaborated with external teams to onboard our new infrastructure and integrate with their services in the European region, achieving feature parity across all marketplaces.
- Implemented features on the backend, such as Child Account Blocking and Amazon Prime perks in European market, to fulfill specific product requirements.
- Mentored junior engineers, fostering their technical skills, problem-solving abilities, and professional growth.

Alexa Notifications

- Implemented a cutting-edge API for efficient management of Alexa notifications, aligning with the design specifications outlined by the principal engineer and meeting the product requirements.
- Provided guidance and mentorship to an engineer during the security review of a new service, resulting in successful certification and resolving a launch blocker.

Alexa Games

- Created a robust animation data pipeline and technical design framework for characters, effectively realizing the creative vision of designers and animators in the studio.
- Spearheaded the development of the studio's character runtime SDK, empowering gameplay and AI engineers with a comprehensive framework for efficient management of animations and other assets.
- Headed the design and development of Ticket to Ride's AI Agent and a complementary design tool, instrumental in realizing the creative vision of the game designer.
- Assisted in the prototype development of a client-server augmented reality (AR) system, illustrating to leadership the possibilities and the complexities with the technology.
- Established the studio's metrics API and visualization platform, enabling engineers, designers, and business stakeholders to efficiently emit and analyze data, gaining valuable insights into application usage patterns.

EDUCATION

B.S., Computer Science

University of California, Davis

March 2017