

KNAR

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MOTIVATED SOFTWARE ENGINEER

Software Engineer • QA Engineer • Senior Software Developer • Game Developer
Requirements Analysis • Solutions Design + Testing • Software Deployment • Technical Validation

WORK EXPERIENCE

Independent Contractor

Aug 2020 – Present

Software Engineer

- Produced and debugged autonomous agents using the Magick AI Development Environment.
- Maintained a collection of Magick test agents and setup cross-browser web automation testing.
- Enhanced backend knowledge management services for Magick Retrieval Augmented Generation.
- Designed and developed game experiences on the Core Games platform for Manticore Games.
- Contributed to pre-production, scripting, animation, and virtual filming of promotional videos for Core with over 100k views, including content featured during a live panel of a major gaming convention.

Donuts

May 2021 – Jun 2022

Software Engineer

- Developed system to automatically synchronize sales and production data between separate Enterprise Resource Planning and Warehouse Management systems.
- Converted legacy desktop application into a web app, enabling mobile generation of package labels.
- Analyzed sales order and production processes and proposed software solutions to speed up order fulfillment, optimize resource utilization, and forecast future production requirements.

Trade Shows

Mar 2019 – Nov 2020

Senior Software Developer

- Converted 12 legacy client-facing trade show management portals into a standardized extensible solution, enabling a workload shared by 6 account executives to be managed by a single employee.
- Accelerated fulfillment of portable trade shows by designing and developing a proprietary warehouse management app to label and track shipments of trade show equipment rentals across the country.
- Modified and deployed iOS applications for trade show badge scanning and sales lead capture.
- Maintained legacy internal project management dashboard and designed a future upgrade path.

Third-Party Logistics

Oct 2017 – Mar 2019

Software Developer

- Developed and maintained internal web applications, server processes, and external web services to fulfill e-commerce orders and provide other specialty third-party logistics services.
- Improved automated systems to receive and batch orders, generate digital packing slips with integrated shipping labels, and update outbound packages with confirmed tracking information.
- Reduced typical e-commerce client onboarding time to 1 week by refactoring codebases and developing automation tools to standardize and share functionality between client solutions.

TECHNOLOGIES

Languages and Frameworks: C#, .NET Framework, .NET Core, Typescript, Rust, Lua, Objective-C

Database Tools: Microsoft SQL Server, T-SQL, Entity Framework, PostgreSQL, pgvector

Web Technologies: HTML, CSS, Javascript, ASP.NET, React.js, Three.js, REST