William Charles Knight

Seattle, WA 98110 | 206-218-9099 | williamchknight@gmail.com

[Github](#) | [Blog](#) | [LinkedIn](#)

Full Stack Software Engineer

SUMMARY

I am a full-stack engineer with 3+ years of experience in developing web and desktop applications using C#, .NET, React, Vue, Node.js. I have designed and implemented software solutions for various clients and industries, such as Gaming and Finance using ASP.NET Core, PostgresSQL, MongoDB, Microservices, Webservices (Rest, GraphQL), Messaging Queues, AWS, Docker, and GitLab. I have worked in agile environments and used project management tools like JIRA and Confluence, delivering quality work on time and within budget, resulting in client recognition and business growth. I also have worked in client-facing roles across Finance and Technology, showcasing abilities to communicate excellently and thrive in a fast paced business environment.

PROFESSIONAL EXPERIENCE

Wizards of the Coast (Hasbro)   Seattle, WA
Software Engineer (Vue/React/.NET)   **Jan 2022 - April 2024**

• Involved in working with Backend services and API development for the team, using C#, ASP.NET Core, Microservices, and AWS Messaging queues.

• Enhanced existing features and added various functionalities to an Internal Application, using .NET 6 and C#, implementing HTTP requests within the Application Layer.

• Employed .NET alongside AWS SNS and SQS to efficiently send messages to a Node.js GraphQL layer, enhancing communication capabilities and optimizing data flow within the application architecture.

• Worked on migrating our API which is responsible for the primary way members interact with the mobile app and desktop. The migration was from HTTP requests combined with another layer of GraphQL to a GraphQL only service using Hot Chocolate enhancing the application for a fast user experience.

• Authored comprehensive test suites utilizing Moq and xUnit frameworks, ensuring 90% test coverage and verifying the functionality and reliability of critical components within the .NET project.

• In addition to streamlining our real-time communication infrastructure, the migration from Amazon Chime to LiveKit for WebRTC in React and Typescript resulted in substantial cost savings, amounting to six figures a year. By leveraging LiveKit's efficient and cost-effective features, we optimized resource utilization and minimized operational expenses, contributing significantly to the company's bottom line.

• Meticulously maintained Vue.js projects integrated with Apollo, ensuring ongoing stability, performance optimization, and feature enhancements to uphold a robust and efficient GraphQL-powered frontend infrastructure.

• Developed and integrated a dynamic 3D dice roller component using React, three.js and cannon.js, enhancing the immersive gameplay experience for Magic Online enthusiasts by simulating real-time dice rolls within the digital platform.

• Earned the runner-up position in the division's hackathon by developing a highly functional chat program integrated within our application, demonstrating both innovation and technical proficiency.

• Proficiently utilized SQL databases such as PostgreSQL and NoSQL databases like MongoDB, demonstrating versatility in database management and leveraging diverse data storage solutions within projects.

• Utilized robust testing systems such as Rollbar and Sumo Logic, ensuring comprehensive error monitoring, logging, and analysis to maintain application stability and enhance performance.

Modernbanc (remote - contract YC W20)   **Seattle, WA**
Software Engineer (Node/React - Typescript)   **April 2021 - November 2021**
• Spearheaded the development of a cutting-edge fintech dashboard utilizing React, Redux, Tailwind CSS and Typescript, delivering a sleek and intuitive user interface while implementing state management and styling solutions to enhance usability and maintainability.
• Implemented robust API endpoints utilizing Node.js and Prisma, leveraging modern technologies to streamline data interactions and enhance the scalability and efficiency of the application.
• Conducted in-depth research on emerging technologies such as MobX, Apollo, and Plaid to identify innovative solutions for enhancing application functionality and performance, driving continuous improvement and staying at the forefront of industry trends within FinTech.
• Swiftly implemented Redux within a single day, adapting to the fast-paced startup environment and showcasing my ability to rapidly integrate advanced technologies to meet project demands and deadlines.

Additional Experience

Nasdaq   **New York, NY**
Sales Executive   **July 2019 - October 2020**
• I successfully negotiated and closed a high-value $50k deal with the State Pension Fund of Maryland after several months of strategic engagement and relationship-building, demonstrating adept salesmanship and fostering long-term partnerships.
• Thrived in collaborative environments, effectively contributing my expertise, fostering open communication, and leveraging teamwork to achieve shared goals and drive collective success.
• Excelled in mentoring and managing younger sales professionals, providing guidance, support, and constructive feedback to foster their professional development and drive team performance towards exceeding sales targets.
• Achieved the highest performance on the team during Q3 2020, meeting targets in a tough environment and delivering outstanding results, demonstrating my commitment to excellence and consistent track record of success.

AlphaSense   **New York, NY**
Account Executive   **January 2019 - June 2019**
• After successfully leading the SDR team to generate the highest revenue from meetings, I was promoted to a higher role, reflecting my exceptional leadership skills and contribution to driving organizational success.
Sales Development Representative - Team Captain   **November 2018 - January 2019**
• As team captain for three months, I demonstrated strong leadership and collaboration skills, effectively guiding the team to success before earning a promotion to Account Executive for my exemplary performance and dedication.
Sales Development Representative   **January 2018 - November 2018**
• In my inaugural year as an SDR, I spearheaded initiatives that resulted in generating over $1.6 million in new revenue from meetings, showcasing my adeptness in prospecting and fostering valuable client relationships.

• Successfully secured the pivotal meeting for the largest deal in the company's history at that time, showcasing my strategic acumen and ability to cultivate key client relationships.

EDUCATION

WASHINGTON STATE UNIVERSITY   **Pullman, WA**
Bachelor of Economics (B.A.)

CERTIFICATIONS AND LICENSES

FLATIRON IMMERSION   **Seattle, WA**
Full-Stack Engineering Program

SERIES 7 & 63 (expired)   **Issued in New York, NY**