

Jack Killilea - Software Engineer

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EXPERIENCE

- **Two Six Technologies** Arlington, VA
Software Engineer - Lead Software Developer Oct 2023 - Present
 - **Architecture:** Led modernization of legacy Ember.js application, improving build performance by 30% through code splitting and dependency optimization
 - **Leadership:** Directed 6-engineer team through system migration with zero downtime in production
 - **Performance:** Optimized app and API performance, achieving 30-40% improvement in response times and memory utilization
 - **API Development:** Collaborated on Java Spring backend optimization and API query refinement
- **Booz Allen Hamilton** Herndon, VA
Software Engineer - React Lead Developer @ Environmental Protection Agency Oct 2020 - Oct 2023
 - **Architecture:** Architected Next.js application achieving 50% faster load times and optimized bundle sizes through code splitting
 - **Leadership:** Mentored 7 developers, contributing to 2 promotions to senior roles with strong team retention
 - **Virtualization:** Engineered virtualized data grid efficiently rendering 50,000+ row datasets with optimized memory management
 - **API Development:** Contributed to Java Spring API development and integration
- **Booz Allen Hamilton** Arlington, VA
Software Engineer - Automation Engineer May 2020 - Oct 2021
 - **Infrastructure:** Developed Go microservices reducing deployment times by 40% and infrastructure costs by 25%
 - **CI/CD Pipeline:** Designed automated release pipelines using Go tools and Docker containers
 - **Automation:** Automated workflows eliminating 80+ manual hours annually with 99%+ system availability
 - **Monitoring:** Built monitoring and incident response automation using Go-based CLI tools
- **Booz Allen Hamilton** Arlington, VA
Software Engineer - Front End Developer @ U.S Treasury July 2018 - Oct 2020
 - **Migration:** Led migration from jQuery to Gatsby.js achieving 35% performance improvement and faster page loads
 - **Data Visualization:** Implemented interactive visualizations using D3.js and Mapbox API for geolocation data
 - **Deployment:** Implemented Docker containerization with Travis CI reducing deployment time by 40%
 - **Recognition:** Project featured on Hacker News twice with 10,000+ community engagements

PROJECTS

- **House Guessr - <http://houseguessr.io>** Fullstack Ruby
Full Stack Game Developer 2025
 - **Backend Development:** Built Rails 7 gaming platform serving 2,000+ active users with real-time gameplay
 - **Infrastructure:** Designed backend using PostgreSQL, Redis, and WebSockets with 99%+ uptime
 - **Recognition:** Showcased at MAGFest gaming conference with positive community feedback

EDUCATION

- **Virginia Polytechnic Institute and State University** Blacksburg, VA
Bachelor of Science in Computer Science Sept. 2014 - May 2018

PROGRAMMING SKILLS

- **Languages:** Javascript, Typescript, Ruby, Bash, Python, SQL, Go
- Technologies:** AWS, Azure, Linux Administration, React, API Development, Firebase, Git, Docker, Kafka, Kubernetes, Node.js, D3.js, Postgres, MongoDB