

KEANU KERR

keanukerr.com

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SKILLS

Programming Languages	Go, Java, Rust, Python, TypeScript, JavaScript, C++, C, Bash
Frameworks & Libraries	Protobuf, Spring, JAX-RS, Node, Angular, Elasticsearch
Technologies & Services	Linux, Git, REST, gRPC, PostgreSQL, Docker, k8s, AWS, Azure

EXPERIENCE

Bread Financial	March 2023 - Present
<i>Software Engineer</i>	<i>Philadelphia, Pennsylvania</i>
<ul style="list-style-type: none">• Developed REST and gRPC APIs in Go, integrating with PostgreSQL databases for financial services• Implemented features for loan processing, payment systems, and credit bureau reporting workflows• Containerized and deployed microservices using Docker on Kubernetes infrastructure	
General Motors	February 2020 - March 2023
<i>Software Engineer</i>	<i>Austin, Texas</i>
<ul style="list-style-type: none">• Developed REST APIs using Spring Framework and JAX-RS with Oracle database integration• Improved search API performance with Elasticsearch cluster implementation and optimization• Implemented TDD methodology and CI/CD pipelines using Docker on Azure Kubernetes Service	
Elgato	May 2016 - August 2016
<i>Software Engineer Intern</i>	<i>Munich, Germany</i>
<ul style="list-style-type: none">• Developed JavaScript test overlays for Game Capture software to improve QA testing efficiency• Built internal metrics dashboard using Angular for real-time application monitoring• Collaborated across development teams using Git workflows for internal web application development	

PROJECTS

University of Edinburgh	April 2019 - August 2019
<i>Master's Dissertation Project</i>	<i>Edinburgh, Scotland</i>
<ul style="list-style-type: none">• Developed multiplayer RPG in Java using JavaFX GUI and peer-to-peer networking architecture• Implemented OO design patterns to create an educational framework for computer science students• Authored comprehensive documentation including setup guides and extensibility framework	
University of Florida	January 2018 - May 2018
<i>Senior Project</i>	<i>Gainesville, Florida</i>
<ul style="list-style-type: none">• Developed Angular web application for custom game character creation with dynamic form validation• Built Go backend service with REST API for user profile management and character data persistence• Deployed full-stack application on self-managed Linux server infrastructure	

EDUCATION

University of Edinburgh	November 2019
MSc in Informatics	
University of Florida	May 2018
BSc in Computer Science & Minor in Studio Art	