

JinYoung Park

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WORK EXPERIENCE

Barn Owl Technologies

Boston, MA

Software Engineer Intern

June 2024 - Sep 2024

- Architected applications for real-time pest activity reporting using React Native (TypeScript) for iOS and Android
- Consolidated multiple data sources into AWS S3 with bucket segmentation, improving data processing consistency and boosting query performance by 17%
- Implemented consistent deployment pipelines using Docker, ensuring collaborate with teams in all environments
- Played a key role in securing a Small Business Innovation Research grant from US government by developing advanced data aggregation systems

JSquirrel Design

Remote

Full Stack Engineer Intern

Jan 2024 - May 2024

- Converted traditional textbooks into interactive web page using HTML and CSS, making learning materials more accessible and engaging
- Built a grading and authentication system with Django and PostgreSQL to simplify processes for students and teachers, improving usability and efficiency
- Improved user satisfaction increased 40% to 75% by integrating new and interactive features

SPK Inc.

Seoul, South Korea

DevOps Engineer

Jan 2022- Dec 2022

- Designed a GUI-based portal to reduce human error during VM deployment, replacing manual CLI configurations
- Debugged backend code issues between the portal and OpenStack master node by creating a new load balancer
- Automated user input validation and post-deployment scripts, preventing invalid inputs like negative disk values

ParkDo Design Studio

Remote

Creative Director

Jan 2021- Dec 2021

- Led a team of 2 writers and 4 artists, improving workflows and task rotation, achieving 97% on-time completion
- Shortened project timelines by 22% through optimized strategies, boosting revenue by 39%

EDUCATION

Northeastern University

Boston, MA

Master's in computer science (MSCS) GPA: 3.48

Jan 2023 - May 2025

Coursework: Artificial Intelligence, Web Development, Mobile App Development

University of Massachusetts Boston

Boston, MA

Bachelor of Accounting in Business Management GPA: 3.48

Sep 2017 – Dec 2021

PROJECTS

Cloud Storage Web Service

- Built a real-time collaborative editing and file-sharing system using FastAPI and PostgreSQL for backend server
- Deployed the application using Docker containers and a CI/CD pipeline on a private Linux server, enabling updates and scalability
- Integrated Redis caching with NGINX reverse proxy to improve load balancing and reduce database query response times by 30%

SKILLS

Programming Languages: JavaScript, TypeScript, Python, HTML, CSS, Java, Go

Frameworks & Libraries: React.js, Redux, React Native, Node.js, Express.js, Django, Spring Boot, Fast API

Databases & Cloud Services: MySQL, PostgreSQL, SQLite, NoSQL, MongoDB, AWS

DevOps & Tools: Git, Docker, Kubernetes, CI/CD, REST API, GraphQL, JUnit, Grafana, Prometheus, Selenium