

Peter Kang

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github.com/kangp3

Full-stack engineer experienced in designing and deploying foundational systems for business-critical applications in agile environments

Experience

Perry Health

New York, NY

May '22 — Mar '23

Engineering Manager

- Coordinated product development of in-house EMR used daily by care team
- Managed team of five engineers, focusing on converting specialized FE/BE engineers to a more scalable full-stack team
- Implemented process for zero-downtime service deployment, pull request review, agile rituals
- Architected and coordinated in-place migration of both BE and FE systems from Aptible to a HIPAA-compliant AWS account (FastAPI, React/Redux)
- Deprecated bespoke websocket architecture in favor of scalable REST architecture in-place
- Introduced automated testing tools on FE and BE (PyTest, Jest, Cypress)

Aug '20 — May '22

Software Engineer

Spell (Acq. Reddit)

New York, NY

Oct '17 — Jul '20

Software Engineer

- Designed, built, and maintained demand-based machine orchestration to schedule machines within user-specified bounds in external VPCs (Golang, PostgreSQL, AWS/GCP)
- Ported multi-node kops-deployed platform to a Terraform-deployable, single-instance Minikube deployment for on-premise deploys (Terraform, Kustomize, NGINX)
- Deployed TLS-backed Docker registries with hand-rolled JWT-authentication to act as secure, access-controlled image caches (Golang, Docker, TLS)
- Contributed to and maintained API server application (Golang, PostgreSQL)
- Maintained zero-downtime deployment pipeline (Jenkins, Kubernetes, Bash)
- Contributed to web console and landing page frontend (React/Redux)
- Primary engineer in user-facing calls, coordinated with sales team to provide technical expertise, platform onboarding, and context around user asks and custom implementations

Moat (Acq. Oracle)

<https://moat.com>

New York, NY

Aug '16 — Aug '17

Senior Software Engineer

- Maintained and managed releases for real-time distributed data pipeline responsible for consuming and aggregating billions of ad impressions (Python, Bash)
- Built task-based queueing system to aggregate and reconcile impression data from several subsidiaries of a parent company into a single view (Python, AWS Lambda, SQL)
- Maintained recurring data export system (Python, Celery, RabbitMQ, SQL)

Education

Rensselaer Polytechnic Institute '16 B.S. Comp. Science & Comp. Systems Engineering

Projects

catan — Web implementation of Settlers of Catan board game

whereu@ — Mobile Android/iOS app for simple location sharing through push notifications

cranium.css — Apply machine-learned CSS generation to web UI

Technical Skills

Languages — Golang, Python, Bash, SQL, Javascript, React/Redux, Typescript, C++, Java

Tools — AWS/GCP, PostgreSQL, Kubernetes, Docker, UNIX, Git, Terraform, Kustomize, Packer, Kafka, Elasticsearch (EFK), Jenkins, NGINX, OpenStack, Celery, EMR/Hive, FUSE