

Kai McCormick

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EDUCATION

Bellevue College

Bachelor of Science in Computer Science, 3.8 GPA

Seattle, WA

Aug. 2023 – Jun. 2027

EXPERIENCE

Software Engineer

Aug. 2025 – Present

Xtatic

Seattle, WA

- Developed a detailed LEGO Robotics simulation in C++ for the FLL competition, accurately predicting robot performance in real-world scenarios
- Instructed multiple K-12 classes on how to develop production-ready software using Python, Git, Flask, React, and PostgreSQL

Website Developer

Jul. 2023 – Nov. 2023

Idolfest Foundation

Seattle, WA

- Integrated with a 5+-year-old Gastby.js codebase to identify and resolve longstanding issues
- Improved website loading speed by 60% through refactoring with caching and server-side rendering techniques
- Leveraged Jira to monitor progress, provide regular status updates, and maintain focus on team-assigned tasks

Software Engineer

May 2019 – July 2019

ThetaHacks

San Jose, CA

- Built scalable Minecraft server infrastructure with load balancing to support 300+ concurrent players using Kubernetes, AWS EC2, Terraform, Docker, and Ansible
- Worked as a team to design, develop, and deploy dynamic websites made with React, Next.js, TypeScript, PostgreSQL, and hosted on AWS EC2 with S3 integration
- Engaged industry professionals from companies like Microsoft and Apple to host workshops attended by over 500 participants

PROJECTS

Buhba | *React Native, TypeScript, JavaScript, WatermelonDB, AWS, Git*

github.com/kaidevrim/buhba

- Built a mobile app to track and catalog users' Milk Tea and Boba drink preferences and history
- Leveraged React Native for UI, AWS S3 for storage, and WatermelonDB for efficient local database management
- Implemented secure user authentication with AWS Cognito and streamlined deployment with AWS Amplify

VeriMed | *React Native, TypeScript, Tensorflow, Claude, Git*

github.com/kaidevrim/VeriMed

- Created a React Native mobile app that scans medication packaging to assess authenticity and detect counterfeit products.
- Integrated Claude AI to enhance app development and user experience.
- Trained a TensorFlow-based image recognition model for accurate detection of counterfeit medication packaging

Khip-8 | *Kotlin, OPENRNRD, OS*

github.com/kaidevrim/khip-8

- Developed a Chip-8 emulator in Kotlin and OPENRNRD, focusing on core emulation accuracy and user input handling
- Implemented precise CPU cycle handling and memory management for accurate hardware simulation

Home Server | *Cloudflare, Docker, Terraform, Ansible, GitHub Actions, CI/CD, Traefik*

dash.dvr.im

- Built and maintained a homelab server with 20+ TB RAID-1 storage for data reliability
- Managed containers and virtualization using Proxmox, TrueNAS, and Docker for efficient resource use
- Automated deployments with Docker Compose, GitHub Actions, Ansible, and Terraform
- Optimized media streaming using Intel Graphics for real-time transcoding for over 30+ concurrent streams

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript/TypeScript, HTML/CSS, C#, Kotlin, Go

Frameworks: React, Node.js, Flask, Next.JS, ASP.Net, Express

Developer Tools: Git, Docker, AWS, VS Code, Terraform, Ansible, CI/CD, GitHub Actions