AMOS KING

- Amos King | Agile Practitioner | Thought Leader | Web and Embedded Developer

Agile Practitioner | Thought Leader | Web and Embedded Developer

Agile practitioner with deep expertise in Scrum, Kanban, and Lean methodologies. Skilled in driving continuous improvement through data-driven decision-making and process optimization. Strong in agile coaching and facilitation, cross-functional team building and leadership, Kanban board design and implementation, and metrics-driven process improvement. Proven track record of delivering high-performance teams and sustainable agile transformations.

Work Experience

Senior Software Engineer | Cambridge, Canada | Jan. 2022 – Present | Full-time | Remote

- Led the development of a cross-platform mobile application using Flutter, Firebase, and Google Cloud Functions, integrating with a custom Node.js backend and PostgreSQL database, supporting real-time data synchronization and offline-first functionality for over 10,000 active users.
- Implemented automated CI/CD pipelines using GitHub Actions and Fastlane, reducing manual release time by 60% and enabling weekly feature releases to App Store and Google Play.
- Designed and implemented a GraphQL API layer on top of legacy REST services, reducing client-server data transfer by 35% and improving mobile app load times by 2.1 seconds on average.
- Mentored two junior developers through code reviews, pair programming, and weekly technical sessions, contributing to a 40% increase in team velocity over six months.
- Collaborated with product and design teams in a Scrum environment, participating in sprint planning, retrospectives, and stakeholder demos to deliver features aligned with business objectives.

Skills: Flutter, Firebase, Google Cloud Functions, Node.js, PostgreSQL, GraphQL, REST APIs, GitHub Actions, Fastlane, Scrum, Agile, Code Review, Mentoring

Education

Bachelor's Degree | Waterloo, Ontario, Canada | Sept. 2017 – Dec. 2021 | Full-time | On-campus

- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, Software Engineering, Database Systems, Machine Learning, Human-Computer Interaction
- Capstone Project: Developed a real-time collaborative whiteboard application using WebSocket and Canvas API, supporting up to 50 concurrent users with conflict-free data synchronization.
- Dean's List, Fall 2019, Fall 2020

Certifications

Scrum Master Certification | Scrum Alliance | Issued Jan. 2023 | Expires Jan. 2025

- Credential ID: 000-000-000-000
- Verify at: www.scrumalliance.org/verify

Kanban Practitioner Certification | Kanban University | Issued Mar. 2023 | Expires Mar. 2026

- Credential ID: 000-000-000-000
- Verify at: www.kanbanuniversity.com/verify

Flutter Developer Certification | Google | Issued Aug. 2021 | Expires Aug. 2023

- Credential ID: 000-000-000-000
- Verify at: www.developers.google.com/certification/verify

Firebase Developer Certification | Google | Issued Aug. 2021 | Expires Aug. 2023

- Credential ID: 000-000-000-000
- Verify at: www.developers.google.com/certification/verify

Amazon Web Services Cloud Practitioner Certification | Amazon Web Services | Issued Jan. 2022 | Expires Jan. 2025

- Credential ID: 000-000-000-000
- Verify at: www.aws.amazon.com/verify

Projects

Flutter Cross-Platform Mobile App | Personal Project | Jan. 2023 – Present

- Developed a cross-platform mobile application using Flutter and Firebase, supporting real-time data synchronization and offline-first functionality.
- Implemented Firebase Authentication, Cloud Firestore, and Cloud Functions for backend services.
- Applied Kanban principles to manage feature development and prioritize bug fixes based on user feedback.

Kanban Board Design and Implementation | Personal Project | Mar. 2023 – Present

- Designed and implemented a digital Kanban board using Trello and custom automations to track personal projects and learning goals.
- Defined work in progress limits and visual policies to reduce context switching and improve focus.
- Reviewed board metrics weekly to identify bottlenecks and adjust workflow accordingly.

Open Source Contributor | Various Projects | Ongoing

- Contributed documentation improvements and bug fixes to open-source Flutter packages on pub.dev.
- Maintained a personal fork of a Flutter charting library, adding support for custom tooltip rendering.

Volunteer Work

Volunteer Mentor | Code for Canada | Sept. 2023 – Present | Remote

- Mentored a junior developer through a 6-month project building a civic data dashboard using React and Node.js.
- Conducted weekly 1:1 sessions focused on code review, debugging strategies, and navigating open-source contributions.

Volunteer Tutor | Waterloo Public Library | Jan. 2020 – Dec. 2020 | In-person

- Tutored adult learners in introductory programming using Python and web basics, helping participants build their first personal projects.
- Adapted teaching materials for learners with no prior technical background, prioritizing clarity and hands-on practice.

Interests

Agile and Lean Methodologies | Kanban Board Design | Open Source Software | Mentoring and Coaching | Cross-Platform Mobile Development | Data-Driven Decision Making | Hiking | Photography | Board Games

Languages

- English – Native or Bilingual
- Spanish – Elementary Proficiency

Additional Skills

- Version Control: Git, GitHub, GitLab
- Testing: Unit Testing, Widget Testing, Integration Testing
- Cloud Platforms: Firebase, Google Cloud, AWS
- Design Tools: Figure, Miro, Trello, Jira
- Documentation: Technical Writing, Markdown, Confluence
- Communication: Cross-functional Collaboration, Stakeholder Management, Facilitation
- Analytical: Root Cause Analysis, Metrics Interpretation, Process Improvement

Awards

- Dean's List, Fall 2019, Fall 2020
- Scholarship, Waterloo Engineering Scholarship, Sept. 2018
- Hackathon Winner, Waterloo Hacks, Nov. 2019 – Built a real-time collaborative whiteboard using WebSocket and Canvas API
- Hackathon Finalist, Code for Canada Civic Hack, Mar. 2021 – Developed a data visualization tool for municipal transit ridership data
- Hackathon Finalist, Waterloo Hacks, Nov. 2018 – Built a sentiment analysis tool for social media posts using Python and NLTK

Referees

Dr. Sarah Mehrotra | Professor, Computer Science | University of Waterloo | s.mehrotra@uwaterloo.ca | +1 (519) 888-4567 | Ext. 38210
Relationship: Supervised capstone project and wrote a letter of recommendation for graduate school.

Daniel Okafor | Senior Software Engineer | Shopify | daniel.okafor@shopify.com | +1 (613) 555-0142
Relationship: Mentor during my first internship; reviewed my code and provided weekly feedback for 8 months.

Priya Nair | Volunteer Coordinator | Code for Canada | priya@codeforcanada.ca | +1 (416) 555-0198
Relationship: Volunteer supervisor; managed my tutoring schedule and provided a letter of recommendation.

Contact

- Email: amos.king@gmail.com
- Phone: +1 (519) 555-0147
- Location: Cambridge, Ontario, Canada
- LinkedIn: linkedin.com/in/amos-king-dev
- GitHub: github.com/amosking
- Portfolio: amosking.dev

Notes

- Prefer remote or hybrid roles; open to relocation within Canada.
- Available for internships starting May 2026 or full-time roles after graduation.
- Resume last updated: April 2026.