

Yelaman Yelmurat

Senior Software Engineer

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Summary

Senior Software Engineer with 4.5+ years shipping 10+ production apps across GovTech, AgroTech, PropTech, and EdTech. Cut app startup ~60%, app size ~35%, and build times from 10+ to ~4 minutes; architected offline-first modular systems. Primarily Dart, with Python, TypeScript, Swift, and Kotlin. Author of AI-native developer tooling - AgentSync (config sync for 11 AI coding assistants) and OSS packages with ~20K weekly downloads. Led a 4-engineer team and mentored 100+ students. Open to relocation.

Experience

Senior Software Engineer

Jun 2024 - Present

Astana Hub

Central Asia's largest innovation cluster.

- Architected a monolith-to-module migration (DDD + Clean Architecture, Melos). Replaced runtime service location with Pure DI, turning missing-dependency exceptions into compile errors.
- Enforced strict static analysis across the repo, cutting analyzer issues from ~2,000 to ~20 (99%); unified Trunk-Based Development with pair review, drove hiring through 20+ technical interviews, and authored Individual Development Plans for 2 engineers.
- Adopted Claude as the team AI assistant and built AgentSync, a pure-Bash CLI distributing shared rules, skills, commands, agent personas, and MCP server configs to 11 AI coding tools, preventing config drift across developers and CI.
- Drove Astana Hub's enrollment as an Anthropic Certified Partner, coordinating 10 engineers through the Claude Partner Network learning path to qualify the organization for the Claude Certified Architect B2B tier.
- Engineered an offline-first data layer (Drift/SQLite, stale-while-revalidate caching, background isolates) and a real-time networking module: WebSocket chat with auto-reconnect, two-way iOS/Google Calendar sync, and QR card scanning.
- Cut build times from 10+ to ~4 min via GitHub Actions/Fastlane and shrank app size ~26% (35 MB to 26 MB) via WebP compression and a Python dead-asset script.
- Integrated payment gateways, ReCAPTCHA Enterprise (filtering ~85% of bots), and a government digital-signature flow (deep linking, OAuth 2.0) that cut document signing from 5-10 to ~1.5 min.

Senior Software Engineer

Mar 2023 - May 2024

Quant Tech

Electronic Document Management System (EDMS), GovTech.

- Accelerated app startup ~60% (3s to 1.2s) via parallel async init and lazy-loading; reduced app size ~35% (50 to 32 MB) via dependency audit and asset optimization.
- Owned the EDMS mobile core (document creation, approval chains, government PKI signatures) with 3-factor auth (OTP, ML-based face/liveness detection, PIN) and secure storage across 10+ enterprise/public-sector deployments.
- Drove ~80% unit-test coverage on core business logic and authored the team's first ADR base and architectural guidelines.

Software Engineer

Sep 2022 - Mar 2023

Egistic

AgroTech platform for agricultural management.

- Optimized a GIS engine to render 5,000+ objects via dynamic clustering and background isolates on budget field devices, eliminating the 2-3s zoom/pan freeze.
- Designed an offline-first sync architecture (tile caching, local DB, conflict resolution) for a platform serving 130+ farms in zero-connectivity rural regions.

Software Engineer (promoted from Intern)

Nov 2021 - Oct 2022

UltraSoftDevelopment

Mobile software development agency.

- Shipped end-to-end feature integrations (Stripe payments, GraphQL/WebSocket real-time, Mapbox, Bluetooth/NFC) across 7 full-cycle MVPs, each with time-to-market under 2 months.
- Taught a mobile development course to 100+ students (12K+ views on YouTube); 4 graduates hired into the engineering team.

Education

Bachelor of Software Engineering

Sep 2021 - Jun 2024

Astana IT University

Chairman of 1st & 2nd Year Leaders (~150 reps, 3,000+ students); member of Scientific, Ethics & Disciplinary Councils

Skills

Languages: Dart, Swift, Kotlin, Python, TypeScript, Go, SQL

AI & LLM Tooling: Claude Code, Codex, Model Context Protocol (MCP), AI Agents, Custom Subagents & Skills, Prompt Engineering

Architecture & Practices: Clean Architecture, SOLID, Domain-Driven Design, TDD, Modular/Monorepo

Mobile & Cross-Platform: Flutter, BLoC, iOS (Swift), Android (Kotlin), Method Channels, Firebase

Data, APIs & DevOps: REST API, GraphQL, WebSockets, SQLite/Drift, Supabase/PostgreSQL, CI/CD (GitHub Actions, Fastlane)

Projects

AgentSync

Feb 2026 - Present

Pure-Bash CLI generating native-format configs for 11 AI coding assistants (Claude Code, Cursor, Codex, +8) from one source, with GitHub Actions drift validation. Team standard at Astana Hub.

Recap

Nov 2025 - Present

Native macOS AI meeting-notes assistant (~33K LOC Dart + ~2.1K Swift, 78 test suites). Routes one conversation across 4 swappable LLM providers (Gemini/Claude/OpenAI/Ollama) with a fallback chain and unified tool-calling; real-time on-device WhisperKit transcription via Core Audio process tap over Method Channels.

ISpect

Apr 2024 - Present

Developer toolkit (8 packages, ~20K combined weekly downloads on pub.dev) with Dio/http/WebSocket/DB tracing, widget inspection, and PII redaction.

Analytics Gen

May 2025 - Present

Type-safe analytics code generator (~95% test coverage); cuts event integration from 10-15 min to ~2 min.

ApprovalTests.Dart

May 2024 - Present

Dart port of ApprovalTests snapshot-testing library (~700 weekly downloads, ~96% coverage).

Awards

- **1st Place - ASK Hackday (Mobile App)** (Jun 2022), Alliance of Students of Kazakhstan: Built a winning MVP in 36 hours among 100+ teams. \$6,000 grant.
- **Best Agile Team** (Dec 2024), Astana Hub: Annual best-team award across all departments.

Certifications

- **Claude Certified Architect** (May 2026), Anthropic
- **Advanced Programming in Swift** (Dec 2025), Meta