

Software Development Team Profile

Senior engineering team available for subcontracting and long-term development partnerships

A compact, experienced software engineering team providing end-to-end development, system software, automation, testing, CI/CD, and Linux infrastructure expertise. The team has successfully worked with international technology companies and has been providing software engineering services since 2010.

Up to 3 developers are currently available for subcontracting engagements. Recommendation letters from previous customers are available upon request.

Core Competencies

- Mobile and cross-platform application development
- Web and full-stack application development
- Desktop and Linux system software
- AI, NLP, intelligent data processing, and AI-agent integration
- Automation, integration, and developer tooling
- Test automation and quality engineering
- CI/CD, build engineering, and DevOps
- GNU/Linux administration, infrastructure, and performance optimization
- Database and cloud infrastructure engineering

Selected Technology Expertise

Mobile Development

- Native Android: Java, Kotlin, Jetpack Compose, XML, Koin, Hilt, Room, Retrofit, MVVM.
- Cross-platform: Dart/Flutter, Kotlin Multiplatform, Compose Multiplatform.
- Linux-based mobile platforms: C++, Qt, QML, QMake, CMake, Make, Ninja, RPMSpec.
- Aurora OS: C++/Qt, Dart/Flutter, Aurora UI Kit, Silica Components, Aurora Controls; SStore, DBus, RuntimeManager API, CryptoPro, QCA, ScreenGrab API, GStreamer, StreamCamera, FFmpeg, libresource-qt, pdfium, BlueZ, NFC, Call API, MDM, WebRTC API, WebView.
- Application and library porting across Android, Aurora OS, desktop Qt, and Astra Mobile, including porting third-party libraries.
- Application publishing on Google Play and RuStore.

Web Development

- Modern web applications and full-stack systems.
- REST APIs, frontend and backend services.
- Administrative portals and dashboards.
- Flask, http4k, Next.js, Vue.js, htmx, Ktorm, jOOQ.

Desktop Development

- Cross-platform desktop applications.
- Qt and Qt Creator plugins.
- Java desktop applications.

- C++, Qt, QML, JavaFX, QMake, CMake, Make, Ninja, RPMSpec.

Linux Platform & System Software

- System-level GNU/Linux software development.
- System services and daemons using systemd and DBus.
- Virtualization and VM management using libvirt/QEMU and Vagrant.

AI, NLP & Data Solutions

- Natural Language Processing (NLP) applications.
- Intelligent data-processing systems, including order/resource-flow management, optimal scheduling, and advanced reporting.
- Integration of AI agents into existing software products.
- RAG (Retrieval-Augmented Generation), MCP, and local LLM integration.

Automation & Integration

- Complex automation and system-management solutions using Python and Ruby.
- Automation of development, testing, infrastructure, and operational workflows.
- Telegram bot development.

Testing & Quality Engineering

- Android testing: JUnit, Espresso, Mockito.
- Kotlin testing: Kotest, MockK.
- Database integration testing with Testcontainers.
- Code coverage with JaCoCo.
- Automated test environments and test-result collection, processing, visualization, and reporting.

CI/CD & Build Engineering

- Design, implementation, maintenance, migration, and optimization of CI/CD platforms and pipelines.
- Build automation, automated testing, packaging, and deployment workflows.
- Containerized application development and deployment.
- Docker, Docker Compose, Podman, GitHub Actions, GitLab CI, Buildbot, Woodpecker CI.
- Buildbot task creation, multi-master configurations, worker management, CI scripts, and test-environment automation.
- AppImage packaging.

Cloud, Infrastructure & Administration

- Administration of large-scale GNU/Linux clusters.
- Performance optimization, monitoring, and maintenance.
- Cloud infrastructure integration with Google Cloud, AWS, and IBM Cloud APIs.
- Infrastructure as Code with Terraform.
- Configuration management with Chef.
- Virtual machine provisioning and management.

Database & MariaDB Ecosystem Experience

The team has more than 10 years of experience as a subcontractor for the MariaDB ecosystem, providing engineering support for development infrastructure, CI, testing, cloud/VM management, and internal engineering tools.

- MariaDB/SQL development and database-related tooling.
- MDBCi and virtual-machine management.

- Integration with Google Cloud, AWS, and IBM Cloud through cloud APIs and Terraform.
- VM configuration and automation using Chef.
- BuildBot-based CI infrastructure, including task management, workers, multi-master setups, and CI scripts.
- Repository, configuration, and product/version database management.
- Web-based test-result viewers and dashboards.
- Integration with BuildBot databases and development of dedicated test-results databases.
- Development using Ruby, Python, Kotlin, Vue.js, Terraform, libvirt/QEMU, Vagrant, and related infrastructure technologies.

Engagement Models

- Subcontracting as an independent development team.
- Dedicated development capacity of up to 4 engineers.
- Long-term maintenance and development contracts.
- Project-based development and technology migration/porting.
- CI/CD, testing, and infrastructure engineering support integrated with a customer's existing team.

Why Work With Us

- Established software engineering company operating successfully since 2010.
- Broad expertise spanning application development, system software, infrastructure, testing, and DevOps.
- Strong experience with complex, long-running engineering projects and established development environments.
- More than a decade of subcontracting experience in the MariaDB ecosystem.
- Experience working with cloud platforms, open-source technologies, and Linux-based systems.
- Recommendation letters from previous customers are available.