

# Andrius Kairiukstis

[k@andrius.mobi](mailto:k@andrius.mobi) · [+34 65 22 99 183](tel:+34652299183) · [andrius.mobi](https://www.linkedin.com/in/andrius-kairiukstis/) ·  
<https://www.linkedin.com/in/andrius-kairiukstis/>

## Summary

With over 20 years of experience in back-end and API development, I have focused on enhancing business processes through efficient solutions.

My expertise lies in creating voice platforms, handling bottlenecks and managing real-time, distributed, large-scale backend systems.

I enjoy creating integrations and workflows, and have extensive experience in this area.

I thrive on innovative and challenging projects, always seeking the best solutions for complex issues. As a technological pioneer and early adopter of remote networking, I have built a strong global professional network. This network has enabled me to establish my own IT service company, Internet Telephony Services.

## The role

I am looking for one of the following roles or a combination of them: Automation Engineer, DevOps, QA, VoIP and API integrator, or Technical Team Lead.

## Skills

- Proficient in AGILE, SCRUM, and ITIL methodologies.
- **Telecommunication Skills:** Experience with Voice over IP (VoIP) technologies such as Kamailio, Freewitch, Asterisk, and Twilio; competent in scaling cloud systems and Unified Communications.
- **Platforms and Systems Expertise:** Proficient in Linux: Debian, Ubuntu, Centos along with knowledge of Docker, Vagrant, Ansible, Packer, Terraform.
- **Coding Abilities:** Well-versed in programming using Ruby/Ruby on Rails, Crystal-lang, LUA, API, among others.
- **Automation Skills:** Strong experience in CI/CD, GitHub workflows, GitLab CI, Gherkin, QA/integrations.
- **Database Management:** Skilled in handling databases like MySQL, PostgreSQL, MongoDB, Redis.

## Professional experience

**Founder at Internet Telephony Services, London, United Kingdom, December 2011 – current:**

- Offer API, voice, and WebRTC development and integration services, as well as backend systems development.
- Provide Automation and Integration services, including infrastructure systems design, development, deployment, and support.

**Automation Engineer, Bandwidth Inc., 2022 - current:**

- Managed the migration of Voxbone repositories from GitLab to GitHub.
- Successfully migrated Jenkins pipelines and designed an adaptable GitHub workflow framework supporting in excess of 100 repositories.

**DevOps and VoIP Engineer, MobilusLabs, 2019-2021:**

- Implemented deployment pipelines for MobilusLabs products on GitHub.
- Developed new APIs and integrations for FreeSWITCH and MobiTalk API.
- Provided consultations to enhance the Android app.

**DevOps, Bluereport, 2020:**

- Created technical requirements documentation for the company's core product (monolith) using Ruby on Rails. The goal was to split it into a microservices pattern.
- Migrated a portion of the system to a microservices-based architecture using Docker and AWS.
- Played a role in defining the product roadmap and deployment strategy; led the backend and DevOps squads.
- Provided continuous product support; migrated a massive PostgreSQL database in AWS.

**Technical Project Manager, Unic-Connect, 2019-2020:**

- Created documentation for building a workflows-based cloud system that handles call-center interactions and integrates communication channels. Documented all the components involved.
- Developed the core system using Asterisk PBX, Kamailio, Ruby, Crystal-lang, and messaging queues. Also created APIs and integrations.
- Provided comprehensive documentation and managed the team.

**Platform Developer, Signalwire Inc., 2018-2019:**

- Integrated Salesforce with Prime-Rails, the core backend component.
- Developed backend components for the phone number portability API.
- Dockerized Adhearsion, a VoIP framework.

**Ruby Developer, Tele2 Netherlands, 2018:**

- Developed and supported features for NEM-RAN, Tele2's internal product for managing the global Tele2 4G network equipment.
- Worked on the Davolink migration tool.
- Created a VPN access solution to the Tele2 NMS network for developers.

**Technical Project Manager (Voice test automation-quality), Liberty Global International, 2017:**

- Created a High-Level Architecture (HLA) design for a voice test automation framework. This framework is used for performing end-to-end testing of HPBX portal and functional voice calls. It is utilized by Liberty Global and affiliated companies such as Virgin Media and UPC.
- Partially automated end-user devices.

**Automation Engineer, IFAD (United Nations fund), 2016:**

- Refactored Ruby and Rails apps stack for Docker and cloud migration.
- Supported and developed features for apps used by IFAD and UN.

**Voice Platform Developer, Bluetown AB, 2016:**

- Planned and executed development, integration, and rollout of a voice platform using embedded devices.
- Integrated the voice platform with a billing solution.
- Created a cloud system using Docker with automated scaling.
- Developed an automated test platform integrated with HipTest.

**Platform Automation (voice), Redbooth Inc., 2015 - 2016:**

- Integrated telecom solutions with open-source, Skype for Business, and Twilio into the existing messaging platform.
- Enhanced the integration between the current Redbooth platforms.

**Backend Platform Developer (voice), BHComm (x2one), 2014 - 2015:**

- Collaborated with developers and project managers to build a scalable cloud-based call center platform. The platform included voice and video call features using WebRTC technology, and integrated with SIM cards.
- Integrated the back end system with geographic distribution and created technical support documentation.

**Lead of VoIP Development, Wonefone, 2014:**

- Led and managed a team in the complete rewrite of the VoIP back-end.

**QE Automation Engineer, Bubbly Motion, 2014:**

- Created Raspberry Pi VoIP box as a dedicated GSM test system in each country. Executes tests and collects results from one location.
- Developed AGI scripts for Asterisk PBX and Raspberry Pi using Adhearsion.
- Built API using Ruby on Rails and messaging queues to control QE test process.

**Lead Media Platform Developer, Atlas Interactive Group, 2013-2014:**

- Worked closely with the CTO to establish a cohesive backend platform for supporting interactive media services.
- Implemented a Ruby on Rails API with Grape, Swagger, Sequel/MySQL, and MongoDB.
- Developed a distributed, scalable, and multi-server backend using Ruby and a messaging queue.
- Integrated telephony components for Asterisk and FreeSWITCH using Adhearsion.
- Designed and developed a scalable bulk VoIP dialer.
- Created an SMS gateway with HTTP REST and SMPP APIs.

**Technical (VoIP) Engineer, Truphone, 2013:**

- Developed a Kamailio WebRTC integration and led its integration with Truphone's existing infrastructure.

**Project Manager (voice), Comtel Group Ltd., 2013:**

- Collaborating with the CTO and development team, Defined the cloud telephony development plan.
- Created the Kamailio configuration for handling SIP and WebRTC calls in the VoIP cloud.

**Technical Consultant (contact center integrations), OHIM (currently EUIPO), 2012 - 2013:**

- As Project Manager, I facilitated communication between developers and the OHIM management team.
- Worked together with the internal team to automate collaboration between customers, participating national offices, and OHIM through a common call center tool.
- Implemented a knowledge base, a ticket submission system, and an inquiry processing system.
- Created and demonstrated a proof of concept of the contact center.

**Systems Developer (voice), Bahnhof AB, 2010 - 2012:**

- Planned the technical migration of customers, including device settings, provisioning, and database records, from an acquired VoIP operator to the Bahnhof VoIP system.
- Created a monitoring system for the VoIP servers and the fraud-check application, and developed the back-end and API.
- Led the development of the IPTV back-end.

**Call Center Developer, Responda AB, 2008 - 2012:**

- Planned, designed, and developed a call center core platform utilizing the cloud Asterisk AGI system and Kamailio.

**Systems Developer & DevOps (voice), Perfect Communications AB, 2007 - 2011:**

- Led the migration of VoIP customers to a new Asterisk PBX platform.
- Built call management platform and high-availability telephony cluster.

**Systems Developer & Support Engineer (voice), Modulis Inc., 2010 - 2011:**

- Designed and planned the central infrastructure for migrating hosted customers to a new platform.
- Provided remote support to customers.

**Technical Consultant (voice), Tenesys Ltd., 2009 - 2010:**

- Integrated Moodle with PSTN and VoIP networks.
- Provided consultation on security and configuration aspects of the new hosted platform, VoipNow.

**Integration Consultant & Developer (voice), SG600 Ltd., 2008 - 2009:**

- Built a telephony system using a hosted PBX and calling platform. Also managed the billing for outgoing and DID's traffic.

**Systems Engineer & Developer, Norby Telecom Lithuania Ltd., 2006 - 2008:**

- Created templates for call center setup, including voice and reporting systems and databases. This system allowed for the quick establishment of a fully functional call center in just one day.
- Designed and implemented load-balanced and clustered VoIP systems.
- Provided technical assistance for complex customer accounts.

**Prior to 2006:**

- Contributed to building one of the first VoIP networks in Lithuania.
- Developed projects and administered systems using Asterisk PBX, Yate telephony engine, MVTs softswitch, and Cisco VoIP routers.
- Held positions as a Program Engineer, Sales Manager, and Network Administrator for telecommunications companies.