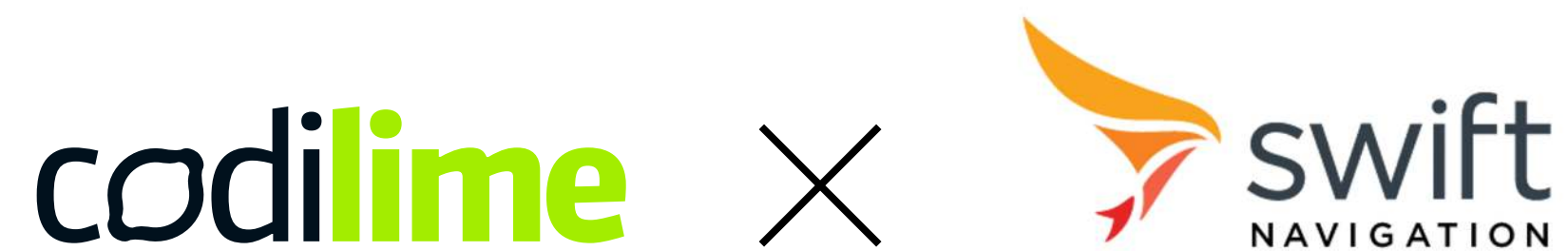


Swift Navigation

case study



Accelerating software development and CI/CD environments

Swift Navigation is a San Francisco-based tech company with a mission to build a safer future by changing the way we navigate. They have created a platform for precise positioning that utilizes APIs to gather location data with centimeter-level accuracy. With their extensive range of software, hardware, and cloud data suites, they're able to support a wide variety of mass-market applications - from autonomous vehicles to robotics.

To help our client create this innovative product, we provided expert DevOps and software development services. With our support, Swift Navigation was able to successfully launch the platform.



Challenge



Swift Navigation's **development and CI/CD environments** had significant potential for improvement to increase their operational efficiency. However, their internal teams were stretched thin with competing priorities and lacked the necessary bandwidth to tackle these projects.

We collaborated with Swift Navigation to expand their team and provided expertise in areas where they **lacked resources**. This allowed the client to take on projects that were previously outside their capacity and gave them the flexibility to adjust their team composition as the scope of work evolved.



Services we provided

DevOps services

1

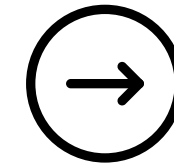
Software development services

2



Results & benefits

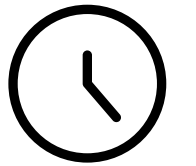
Migration of the build system from **CMake** to **Bazel**.



Adding **CPU and memory tracking capabilities** into the existing CI/CD pipeline.



Software development time was cut by **up to 60%**.



Client's testimonial



“CodiLime provided us with great engineering talent. Their knowledge of CI/CD best practices and innovative approach meant a great deal to our project. With CodiLime’s support, we achieved significant improvements in our development and CI/CD environments, leading to increased efficiency and productivity. We managed to achieve the expected results in significantly shorter time, without any losses in the quality of the final product. I highly recommend their services.”

Jason Mobarak
Director of Engineering - Developer Infrastructure



The scope of the project



CodiLime collaborated with the client to improve their development and CI/CD environments to enhance operational efficiency. To overcome this challenge, our team supported the client with their skills and expertise. The team was flexible in terms of composition, and could be adjusted based on the scope of work required.

The project involved the following activities:

- Support in **analysis** of client requirements and **development of a plan** for implementing the necessary changes.
- Implementation of changes to the development and CI/CD environments, including the **introduction of new technologies** and **automation tools** to streamline processes.
- Integration of the **new environment** with existing systems and workflows.
- **Testing and quality assurance** of the new environment to ensure optimal performance and reliability.

The team that worked on the project consisted of experienced DevOps engineers and developers who were able to provide the necessary expertise and support the delivery of the expected outcome.



Technologies and tools



About CodiLime

codilime

Since 2011, CodiLime has been the engineering partner of choice for semiconductor companies, networking services, telecom services, and software solution providers.

We have come a long way – from a startup to a company that hires more than 350 top-notch software developers, network engineers, DevOps experts, and solution architects. **We focus on five N.E.E.D.S. - Networks, Equipment, Environment, Data and Security.**

We aim to link engineering talent with business domain expertise. Everything to provide our clients with delivery excellence and custom-tailored solutions.

Check out what our partners have said about us and how they evaluated our cooperation.

[Go to about us page](#)

