

Software Development Automation (DevOps) Engineer

We are seeking our next colleague to help us to automate our software development process and to build our new software development automation tool chain.

Our Product and Us

Our product is a software development automation tool, specifically focusing on infrastructure and services provisioning, also known as IaC or Infrastructure as Code.

The biggest players in our space (our competitors) are Terraform, OpenToFu, Pulumi, Crossplane, AWS CloudFormation, Azure Bicep, and Google Cloud Infrastructure Manager.

Our product's competitive features include

- Architectural collaboration, allowing application, service, infrastructure, and security architects each to control their separate concerns.
- Resource sharing, a structured approach to optimizing resource usage across stages and projects.
- Resource relocation, migrating stateful resources across regional and provider boundaries.
- Impact and root cause analysis along numerous resource dependencies.
- Extreme configurability and extensibility.

Our product is basically an orchestration engine, coordinating provisioning of infrastructure and services in a declarative manner. It's a framework into which our future partners and customers may build plugins (assemblers and adapters). Assemblers are similar to Terraform modules whereas adapters are similar to Terraform providers.

Our product – code named the *MACHINE* – is still in R&D.

We are jungle.io, a self-funded startup company located in India and Europe.

We build awesome software development tools for other awesome software developers!

Your Job Description

Your job title will be *Software Development Automation (DevOps) Engineer*.

You will

- Analyze and document our needs for software development automation.
- Analyze and test software development automation tools from various vendors, including those of competitors in our space.
- Design, document, and implement as well as operate, maintain, and improve our future software development automation tool chain.

Since we build the most awesome software development automation tool, of course, we want to use our own product in our own software development automation tool chain. Hence, as our product matures, you will replace our competitor's product initially used with the *MACHINE*.

Becoming an expert in software development automation, you will also bring requirements and constraints to the *MACHINE* and, hence, participate in product management.

Your Skills and/or Interest

You have studied, worked with, and/or have a genuine desire to learn about software development automation processes.

You already understand or you will quickly identify the various stages of software development automation processes, their purposes, and tools typically used in our industry.

Stage	Purpose	Typical tools
Planning / work tracking	Roadmaps, issues, sprint planning, incident follow-up	Jira, Linear, Azure Boards, GitHub Issues, GitLab Issues, Shortcut
Source control	Store and review code	GitHub, GitLab, Bitbucket, Azure Repos
Code review / collaboration	Pull requests, branch protection, ownership rules	GitHub PRs, GitLab Merge Requests, Bitbucket PRs, Gerrit
CI / build automation	Build, lint, test, package on every change	GitHub Actions, GitLab CI/CD, Jenkins, CircleCI, Buildkite, TeamCity, Azure Pipelines
Artifact management	Store built packages, containers, libraries, Helm charts	JFrog Artifactory, Sonatype Nexus, GitHub Packages, GitLab Package Registry, AWS ECR, Azure Container Registry, Google Artifact Registry
Testing	Unit, integration, contract, browser, performance testing	JUnit, Jest, Playwright, Cypress, Selenium, Postman, k6, Gatling
Security / DevSecOps	Scan code, dependencies, containers, secrets, IaC	Snyk, GitHub Advanced Security, GitLab Secure, Checkmarx, Veracode, Semgrep, Trivy, Checkov, Wiz, Prisma Cloud
Secrets management	Store and inject credentials securely	HashiCorp Vault, AWS Secrets Manager, Azure Key Vault, Google Secret Manager, Doppler, 1Password Secrets Automation
Infrastructure as Code	Define cloud/infrastructure declaratively	Terraform, OpenTofu, Pulumi, AWS CloudFormation/CDK, Azure Bicep/ARM, Crossplane
IaC orchestration / governance	Manage Terraform/OpenTofu/Pulumi workflows, approvals, state, drift	HCP Terraform, Spacelift, env0, Scalr, Atlantis, Digger, Terrateam, Harness IaCM
Configuration management	Configure machines, packages, OS state, services	Ansible, Puppet, Chef, Salt, Nix

Stage	Purpose	Typical tools
Containerization	Package apps consistently	Docker, Podman, Buildah
Container orchestration	Run containers in production	Kubernetes, OpenShift, Nomad, ECS, AKS, EKS, GKE
Deployment / CD	Release apps safely to environments	Argo CD, Flux CD, Harness CD, Octopus Deploy, GitHub Actions, GitLab CD, Spinnaker
Progressive delivery	Canary, blue/green, feature rollout, rollback	Argo Rollouts, Flagger, LaunchDarkly, Split, Unleash, Harness Feature Flags
Observability	Metrics, logs, traces, dashboards, alerting	Datadog, New Relic, Grafana, Prometheus, Loki, Tempo, Elastic, Splunk, Honeycomb, Dynatrace
Incident management	On-call, alerts, escalation, postmortems	PagerDuty, Opsgenie, Rootly, FireHydrant, incident.io, ServiceNow
Cloud cost / FinOps	Track and optimize cloud spend	CloudHealth, Apptio Cloudability, Kubecost, CAST AI, Vantage, CloudZero, Finout
Internal developer platform / portal	Self-service environments, golden paths, service catalog	Backstage, Port, Cortex, OpsLevel, Humanitec, Roadie, Qovery, Massdriver

As we are highly focused on software development productivity, we expect you to have experience in using or show great interest in learning about the use of AI tools for purposes of research and development of our new tool chain and possibly for incorporation into the *MACHINE*.

Our Preferences

You are a senior at an IT university or newly graduated. You may also be taking your master's or PhD.

You are fluent in written and spoken English, and you feel very comfortable arguing and debating.

You are a quick and ambitious learner. You are expected to demonstrate such by studying any of our competitor's products before a job interview, at which you can answer simple questions about their offerings in perspective of our competitive features.

You know what you don't know and quickly catch up.

You are flexible at working odd hours, adapting to a global schedule as part of the team sits in Europe.

You are driven by technology and ambition.

You are willing to accept average entry level compensation with a plan to obtain equity based on performance.

Next Steps

If this abstract introduction to our next colleague has caught your interest and if you feel confident that you have the skills and/or ability to learn quickly in said area, then we want to hear from you.

For consideration, please submit your written application in which you

- Shortly describe your interest in and/or understanding of software development automation processes and tools.
- Shortly describe your contribution to software development automation in assignments or projects in which you have participated, if any.
- Shortly describe your interest in software technology in general.

Please also submit your formal resume and ensure that your LinkedIn profile is updated to match it.

Applications shall be emailed director Ajmal Kahn at ajmal@jungle.io

If you have any questions pertaining to the position or to our expectations, feel free to make an informal call to platform engineer Parteek Sanodiya at 88784 29074

We are looking forward to hearing from you.

All product names, logos, brands, and trademarks referenced herein are property of their respective owners. Use of these names, trademarks, and brands does not imply endorsement, affiliation, or sponsorship.