

# Ivan Zakutnii

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## Profile

Experienced Platform Engineer with a strong track record in backend development and optimization. Skilled in managing microservices with Kubernetes, boosting code quality and streamlining delivery with CI/CD pipelines, and ensuring system reliability through advanced observability and alerting. Dedicated to mastering software design principles after hours.

+37443875125 - zakutnii.ivan@gmail.com - <https://wannahack.in> - Yerevan, Armenia

## Work Experience

### Platform Engineer (August 2023)

#### Monite

Enhanced Python codebase, integrating new features and comprehensive testing to improve code quality and maintainability.

Collaboration closely with cross-functional teams to design, implement, and optimize robust solutions for the company's platform, enhancing overall user experience.

Contributed to internal Python tools and libraries, vital for the efficiency of 42 microservices.

Adopted Cadwyn (FastAPI versioning framework) for streamlined API versioning, enhancing operational efficiency.

Orchestrating containerized environments using Kubernetes, which improves deployment and autoscaling strategies, ensures high availability of services.

Established observability and alerting, leveraging logging, metrics, and tracing for service health.

Integrated GitLab CI/CD pipelines for automated, consistent software delivery, enforcing code quality checks and security standards throughout the development lifecycle.

### DevOps Engineer (Nov 2021 - Aug 2023)

#### Flant

Collaborated on the upkeep and support of HA containerized systems.

Utilized Docker, Helm, and Werf in CI/CD pipelines on Gitlab CI or Github Actions to streamline application development and delivery. Including complex workflows, including review environments, canary and multi data center deployments.

Kubernetes (Deckhouse) clusters administration. Monitoring and debugging cluster components.

Debugging and troubleshooting various customers applications, resulting in improved application quality and reliability.

Development of k8s informers to automate clients workflows.

Maintenance and support of Linux server (mainly Ubuntu) infrastructure with different components.

Supported some Nginx configs for routing edits to ensure optimal performance and reliability of critical systems. Also used the Lua programming language to extend the functionality of Nginx (OpenResty).

Utilized AWS to deploy and manage cloud-based infrastructure, including EC2, S3, VPC networking. Also

gained some experience with Terraform for infrastructure automation.

Familiar with DNS and CDN configurations on CloudFlare, Azure, and AWS.

## Database Administrator / Database Reliability Engineer (Jun 2020 - Nov 2021)

### DataBase Intelligence

Administered and maintained Oracle, PostgreSQL, MongoDB, and MarklogicDB databases, ensuring high availability and performance.

Developed and implemented backup and recovery strategies for critical databases, minimizing data loss in the event of system failures or disasters.

Moderate experience analyzing SQL scripts and optimizing queries to improve database performance and reduce server load.

Automated routine tasks and procedures using Bash scripting, improving operational efficiency and reducing manual errors.

Maintenance and support of Linux server (mainly CentOS and Oracle Linux) infrastructure with DBMS systems.

Utilized AWS to provision, deploy, and manage RDS systems.

Conducted regular performance audits and implemented optimization strategies to improve database response times and overall user experience.

## Skills

- Python, FastAPI
- PostgreSQL
- Kubernetes, Helm, werf
- Grafana, Prometheus
- Gitlab CI/CD
- AWS
- Effective Communication, Collaborative Decision-Making, Adaptability in Fast-Paced Environments