# Johevin Blesstowi

johevinblesstowi07@gmail.com | linkedin.com/in/johevin-blesstowi | github.com/joheee

## Work Experience

**DevOps Engineer** — Kolosal AI, Remote
*AWS, Terraform, Docker* — *June 2026 - Oct. 2026*

- Set up PostgreSQL backups with pgBackRest and S3. We can lose at most 3 minutes of data, and a 3.6 GB restore takes 151 seconds.
- Built the pre-production environment that every release goes through before production. I added pipeline steps that check the S3 connection, and failed releases dropped 25%.

**DevOps Engineer** — NobleProg, Remote
*Shell Script, Zabbix, Debian, PHP, Elasticsearch* — *Jan. 2026 - Apr. 2026*

- Wrote shell scripts for routine server tasks. They save about 3 hours a week and replaced 4+ manual steps.
- Tracked down and fixed bad Elasticsearch search results in an internal PHP app.
- Set up Zabbix monitoring. Incidents dropped 18%.

**DevOps Engineer** — Virtue Digital Indonesia, Tangerang
*Azure, PHP, GitHub, React JS, REST APIs* — *Mar. 2025 - Dec. 2025*

- Moved builds and deployments to Azure DevOps pipelines. A release went from 7 minutes to 5.
- Managed the Azure resources for 3 applications. Manual setup work fell by 30%.
- Tuned application components and REST API calls. Response time improved 30%.

**DevOps Engineer** — Paxel Indonesia, East Jakarta
*GCP, Loki, Docker, Jenkins, Grafana, Terraform, Kubernetes, Prometheus, Helm Chart* — *Sept. 2024 - Apr. 2025*

- Wrote Jenkins pipelines and Helm charts for 107 services. Deploys went from 6 minutes to about 3.5.
- Moved provisioning from manual setup to Terraform.
- Built one Grafana, Loki and Prometheus setup for both production and non-production. We found incidents 40% faster.
- Cut the Google Cloud bill by 20% by reviewing usage and shrinking oversized resources.

**Network Administrator at Software Laboratory Center** — BINUS University, West Jakarta
*Go, React JS, Ubuntu, Grafana, Network Infrastructure* — *Feb. 2023 - Aug. 2024*

- Kept the network and servers for 1,500+ workstations at about 99% uptime.
- Configured DNS, Gateway API and access lists.
- Pushed patches to every lab machine with batch scripts. A full rollout took 1–2 hours.
- Built Call NA in Go and React, an internal app where 22 lab rooms report problems. Issues get resolved 75% faster.

**Teaching Assistant at Software Laboratory Center** — BINUS University, West Jakarta
*Unity, Kotlin, React JS, Go, Laravel, PostgreSQL, Networking* — *Feb. 2022 - Aug. 2024*

- Taught 8–12 classes a semester, about 30 students each.
- Wrote practicum exam cases and graded quizzes, assignments, lab exams and projects.
- Ran Test Programming Assistant sessions covering Unity, React, Go, PostgreSQL, Kotlin, Nginx, Docker and Cisco Packet Tracer.

## Education

**Bachelor of Computer Engineering** — BINUS University, West Jakarta, Indonesia
*Aug. 2021 - Aug. 2025*

- GPA: 3.72
- Develop website application as a workspace for Coobie; IoT device that can create, modify, and display animation from the website workspace to the ESP32 based RGB LEDs that arranged in the shape of a cube with dimensions of 8x8x8

## Projects

**PostgreSQL Physical Backup with PgBackRest** | *PostgreSQL, PgBackRest* — July 2026

- Physical PostgreSQL backup and disaster recovery using pgBackRest, Amazon S3, orchestrated by Docker Compose

- A single PostgreSQL 17 instance streams its WAL to S3 continuously, takes scheduled base backups, and can be rebuilt on a fresh EC2 VM from the latest backup

**AWS Base Infrastructure** | *AWS, Terraform* May 2026

- Orchestrated the setup of AWS resources, covering VPC, EC2, and EKS clusters via Terraform
- Implemented modular Terraform code for infrastructure maintainability

**GCP Base Infrastructure** | *GCP, Terraform* May 2026

- Provisioning the deployment of GCP resources, including VPC, Subnets, Compute Engine, and GKE clusters using Terraform
- Engineered reusable Terraform modules to standardize infrastructure deployment

**AWS Terraform Deployment** | *AWS, Terraform, GitHub* Jan. 2026

- Automated AWS provisioning using Terraform and GitHub Actions CI/CD pipelines, cutting deployment time and ensuring environment consistency
- Engineered end-to-end workflows to validate infrastructure and deploy application code directly to Amazon EC2 instances
- Implemented Infrastructure as Code (IaC) to manage VPCs and Security Groups, enabling version-controlled, repeatable cloud deployments

**On Premise K3s Delivery Pipeline** | *Ansible, Kubernetes, Jenkins, Docker* Sept. 2025

- Orchestrated 3 VMs using Ansible to automate the provisioning of K3s, Harbor, and Jenkins on VMWare infrastructure
- Engineered a complete Jenkins pipeline to automate application containerization and secure image storage within a private Harbor registry
- Implemented automated CD workflows to trigger rolling updates on the K3s cluster

## Technical Summary

**DevOps Tools:** Terraform, Jenkins, Docker, Kubernetes, Bash Script, Helm Chart, Grafana, Loki, Prometheus, CI/CD, Linux, Ansible, GitHub, Ubuntu, Zabbix, Debian, Shell Script

**Cloud:** GCP, AWS, Azure

**Database:** PostgreSQL, MySQL, MongoDB, Firebase

**Languages:** JavaScript, TypeScript, Python, Go, Java, Kotlin, Flutter, PHP, SQL, C, C++, C#

**Backend Framework:** Nest JS, Express JS, ASP.NET Core Web API, GraphQL

**Fullstack Framework:** Next JS, ASP.NET, Laravel, CodeIgniter, Django, Flask

**Frontend Framework:** React JS, Vue JS, Angular JS, jQuery