Milan Thapa

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career summary

- 1+yrs development journey:
  - using ethereum blockchain to build dapps(mobile: react-native)
  - contract development/deployment with truffle, remix
  - build api(micro-services) & cli tools in golang
  - advocate 12factorapp development principle across team
  - organize/collaborate team efforts to build/ship features
  - collaborate with open-source folks, more. . .
  - engage with community bootstrap gopher-devs-nepal
- 5+yrs operation journey:
  - shipping application runtimes (rails) stack over AWS(in < 15min)
  - instrumenting (over prometheus-grafana, slack alerts)
  - site reliability; high availability{via clustering}
  - patching vms, hardening os/services
  - debugging, recusing production, exec graceful downtimes
  - continuous delivery with build pipelines
  - scaling (background services)
  - debugging production failures
  - capacity planning & infrastructure provisioning

in gist I love to

- to build simple, maintainable solutions to problem, and do iterative evolution
- to **automate** all the things #lazyme
- to explore hardcore internals of a language(golang), frameworks, learn from them
- knowledge **sharing** the easiest way possible: documentation(blogs, wikis, irc, youtube)
- **instrumentation** services(business metrics/stats over graphs); understand their behavior for continuous improvements.
- enhancing development/deployment workflow blending prudent efforts and tools
- **implementing best practices** for operational & development excellence
- literate **devops** practices via my favourite editor: EMACS
- drive others nuts , posting issues/comments on github projects

skills

	proficiency	knows
aws	VPC, EC2, S3, IAM, RDS, Route53	DynamoDB, ElastiCache
languages	sh, golang <3, ruby	js, solidity, python, c
automation	ansible, capistrano	
containers	docker-compose	kubernetes
monitoring	prometheus, sensu	newrelic, ~~nagios~~
build	make, jenkins	gitlab ci/cd
database	mongodb, postgresql *(ops)*	redis, mysql, percona tools
blockchain	truffle	ethereum:SmartContracts
typeset	org-mode	latex
editor	emacs	vim, nano
system	archlinux	debains, ~~windows/mac~~
speech	Nepali, English	Hindi

ops works I used to chill

- AWS-EC2 **autoscaling** based on primitive check metrics
- HA (replica/failover) for production services like: MongoDB, Redis, RabbitMQ
- Loudmouth security as a **F-word**. First, Foremost, Fundamental & Forever requirement.
- Pull out hardcoded secrets/credentials in code into ENVIRONMENT variables :)
- Build easy deployment pipeline via CI/CD

involvements

- **jobs:** Developer-Manager, devops Engineer @WhiteHatEngineeringˆ *(current)*
  past: ~5 yrs of work experience as **devops engineer** @cloudfactory.comˆ
- **academic:** B.E. in Computer Engineering from Kathmandu Universityˆ

good old memories/hobbies

- hackathon victories: Team Lipiˆ , #osm2threejsˆ
- hobbies / fun times
  - playing futsal, strumming guitar, kickboxing, marathon
  - puttering pi/arduino for fun
- #recent tinkering with fass, build simple stupid utils{sync-music,easyssh-go}