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## M. M. HASITH DHANANJAYA SENEVIRATHNE

### ABOUT

An adaptable and experienced professional seeking a responsible position within an established organization for enhancing knowledge, skills, and experience for the advancement of the company while learning and making myself grow with the team. Blogging about technology at <https://hasithsen.github.io/tech>.

### EXPERIENCE

#### DevOps Engineer – Axiata Digital Labs – 1 year 7 months (current)

- Administering project components on Google Cloud Platform (GCP) including Compute instances (RHEL/CentOS/Ubuntu), deployments on GKE (Docker/Kubernetes), databases (Cloud SQL), and network (Cloud firewall/DNS/NAT gateway) resources.
- Setting up alerting, and monitoring, and increasing reliability of production deployments.
- Administering IAM and maintaining required resources for PCI DSS compliance.
- Administering infrastructure for WSO2 Gateway, Portal, ESB, KM, and EI.
- Automating routines/maintenance tasks with Bash/Python/Ansible playbooks.
- Setting up Prometheus and Grafana for infrastructure/application monitoring.
- Supporting WSO2 product administration and maintenance.
- Supporting and incident handling on production deployments.
- ELK stack administration.
  - Maintaining on-prem/cloud ELK stack implementations.
  - Conducting KT's for internal teams on ELK architecture and configurations.
  - Automating index restoration to backup clusters with Python.
  - Setting up monitoring/alerts with WatcherAlerts.
  - Configuring Kibana dashboards for data aggregation.
  - Configuring GCP storage repositories for ES index backups and snapshots.

#### Site Reliability Engineer intern – Wiley – 12 months

- AWS services management (EC2, S3, Service Catalog).
- Assist in server/systems migration (on-prem to AWS).
- Automating routines with Python.
- Working with Linux, Kubernetes, Terraform, Ansible, Git, Jenkins, Jira, ServiceNow, Dynatrace, Zabbix, and BigPanda.
- ELK stack maintenance.
  - Configuring Filebeat to onboard logs to ELK.
  - Working with Jenkins pipelines to onboard logs to ELK.
  - Setting up monitoring/alerts for ELK with Yelp ElastaAlerts.
  - Incident handling on on-prem Linux boxes and ECK on AWS.
  - Supporting maintenance of Logstash pipelines integrated with Apache Kafka.
  - Setting up S3 bucket repositories for Elasticsearch index backups and snapshots.

## DevOps Engineer intern – LSEG Technology – 6 months

- Automating generation and shipment of package details from development to production infrastructure.
- Python script listing product release versions and dependencies in an ASCII graph.
- Executing and troubleshooting dev code-integrations with Atlassian Bamboo.
- Dev environment/DB set up to aid internal and outsource QA teams for testing.
- Helping dev teams to resolve issues in RHEL/SLES boxes.
- Maintenance tasks on multiple Linux boxes with Ansible playbooks.
- Supporting DevOps engineers for migrating to AWS from on-prem infrastructure.

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### COMPETENCIES

- System/Database administration, Cloud Infrastructure management.
- Software Defined Network management with Ryu/POX OpenFlow controllers, Parallel and Distributed Computing with OpenMP/MPI/CUDA.
- Linux, AWS services, Terraform, Ansible, ArgoCD, Jenkins, ELK stack, Kubernetes, Docker, Metric/monitoring tools (Prometheus, Grafana), and similar DevOps related tools/services.
- Development skills in multiple mainstream programming/scripting languages.
- Proficiency in written and oral communication.

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### EDUCATION

#### Sri Lanka Institute of Information Technology

##### BSc. (Hons) In Information Technology Specializing in Computer Systems and Network Engineering

- CodeFest Inter-university Hackathon – Merit – 2018/21
- Second Class Honours
- Dean's List award – 2 semesters – 2017/20
- First in class – Y1S1 3.9/4 GPA – 2017
- CCNA Routing and Switching (Academic)

#### Maliyadeva College Kurunegala

##### GCE Advanced Level (Physical Sciences)

- Hermann Loos Championship Trophy – 2015
- Vidudev (Science Day) – Active member – 2014
- 29th Asia Pacific Rally and Sri Lanka Centenary Scout Jamboree – 2012
- SRMCT National Scout Competition – Organizing Committee – 2010/11
- 7th National Scout Jamboree and 4th SAARC Friendship Camp – 2006
- Senior Scout Patrol Leader – 2012/13
- Junior Prefect – 2005/6
- Inter-provincial Swimming Competitions – 2004/5

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### PROJECTS

#### SAYIT – DJANGO LEARNING PROJECT

- A web application providing whole webpages for everyone's messages.  
<https://github.com/hasithsen/sayit>

#### EREBUS VPN

- Privacy-focused Virtual Private Network service.  
<https://hasithsen.github.io/erebus/>

### **AUTO-TAG (2019)**

- Real-time license plate recognition system utilizing OpenCV and Google Tesseract libraries.

<https://github.com/hasithsen/CSNE/tree/main/network-technology-project>

### **ATTENDANCE TRACKING SYSTEM (2018)**

- Tracks login and logout times of users and their locations. Administrators can view user logs. Developed with Java Servlets.

<https://github.com/hasithsen/CSNE/tree/main/object-oriented-programming/trackr>

### **ONLINE LEARNING PLATFORM (2018)**

- A Dynamic Web Project primarily utilizing Java Servlets.

<https://github.com/hasithsen/CSNE/tree/main/object-oriented-programming/learnr>

### **WEB GAMES**

- Mobile-friendly JavaScript games utilizing HTML5 canvas and Phaser open-source game framework.

<https://hasithsen.github.io/ball/>

<https://github.com/hasithsen/bunny-jump>

<https://hasithsen.github.io/tech/posts/web-game-dev-prod/>

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## **INVOLVEMENT**

- SLIIT FOSS community member.
- Involvement in sports at SLIIT.
- Patrol leader in Kurunegala 3rd Scout group (2012/13).
- Member of 4th National Cadet Corps battalion, Air Force wing.
- Member of school swimming team.
- Member of school prefect board.
- Active member of school science society.
- Organizing committee member of Vidudev 2014.

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## **ACHIEVEMENTS**

- Google Certified Professional Cloud DevOps Engineer.
- Oracle Cloud Infrastructure Certified Associate.
- Huawei Certified ICT Associate – Cloud Service.
- Introductory book on Parallel Computing: <https://i.hsen.tech/learning/>.
- Winner of scholarship at SLIIT for superior academic performance.
- Recipient of Dean's list award at SLIIT.
- Winnings at inter-university hackathons.
- Winnings at provincial/district/club swimming competitions.
- Winnings at national/international scout competitions.
- Winnings at competitions by the National Cadet Corps.

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## **REFERENCES**

### **Prof. Chandimal Jayawardena**

Dean – Faculty of Computing – Sri Lanka Institute of Information Technology  
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### **Mr. Bhanu Kumarawadu**

Head of Technology Operations – SL Tech Ops / DevOps – Wiley  
+94 - 77 - 777 2030 | [bhanuk@wiley.com](mailto:bhanuk@wiley.com)

I certify that the above information is true and correct to the best of my knowledge and that I have not meant any intentional mistakes.

Thank You,  
Yours Sincerely,  
Hasith Senevirathne

*Please find the latest revision at <https://hasithsen.github.io/cv/>.  
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