

## Contact

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## Top Skills

Artificial Intelligence (AI)  
Azure Kubernetes Service (AKS)  
GitHub

## Languages

Hindi (Native or Bilingual)  
English (Full Professional)  
Nepali (Native or Bilingual)

## Certifications

Google Cloud Fundamentals: Core Infrastructure  
Microsoft Certified Trainer 2022-23  
Architecting with Google Kubernetes Engine  
Certified Kubernetes Application Developer (CKAD)

## Honors-Awards

Academic Excellence Award  
Semi-finalist : Minister for Youth Excellence in Youth Leadership Award  
Chief Minister's Volunteer of the Year Award 2022  
CDU Alumni of the Year 2023 for Community Service

## Publications

Improving Accessibility for Mobility Impaired People in Smart City using Crowdsourcing

# Yuba Raj Panta

DevOps et al. | GDG Organiser | AWS Community Builder |  
Community Volunteer | Dad x1  
Melbourne, Victoria, Australia

## Summary

A DevOps/SRE Engineer by trade and a community organiser by passion, I am driven to create meaningful impact through AI and automation. I enjoy thinking holistically about all the moving parts in technology and society to build scalable platforms that empower both developers and the community.

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## Experience

### PageUp

SRE/DevOps Engineer  
September 2024 - Present (1 year 7 months)  
Melbourne, Victoria, Australia

Leading initiatives in developer experience, infrastructure automation, and SRE maturity. Specialising in modernising CI/CD, optimising observability, and integrating AI to build scalable, developer-friendly platforms.

- Modernise CI/CD platforms by securely migrating delivery pipelines from legacy AWS CodeBuild to GitHub Actions, accelerating build times and boosting developer efficiency.

- Build and deploy new observability infrastructure to proactively monitor systems, significantly increasing visibility while optimising quota usage.

- Lead the design and implementation of internal tooling—including an in-house Cloud Development Environment (CDE) and infrastructure for in-house AI agents—to reduce operational friction and enhance the developer experience.

- Refine and optimise the existing service maturity framework to coach engineering squads, standardising reliability, infrastructure, and deployment best practices across the entire tech stack.

- Lay the foundation and develop proposals for implementing SLO/SLI-based incident management and proactive response practices.
- Spearhead R&D for company-wide AI initiatives, evaluating new technologies to improve software quality and increase developer velocity.
- Provide ongoing platform maintenance and expert support to cross-functional product teams across the software development lifecycle.

## Sensand

3 years 1 month

### DevOps Engineer

September 2023 - September 2024 (1 year 1 month)

Melbourne, Victoria, Australia

- Led the design and implementation of infrastructure using AWS CDK on Amazon Web Services (AWS), ensuring scalable and efficient infrastructure deployment.
- Participated in the migration of infrastructure to AWS using AWS CDK, contributing to seamless transition and improved system reliability.
- Created reusable constructs and managed the AWS CDK construct library package to streamline development and deployment processes, fostering self-service and providing sane defaults for security and infrastructure configuration. This initiative significantly improved the software development lifecycle by allowing each team to independently manage their infrastructure.
- Developed dynamic pipelines in Buildkite using Bash scripts, enhancing pipeline efficiency for a monorepo structure by ensuring efficient pipeline execution by running only necessary CI steps. Additionally, I developed Buildkite plugins to manage CDK deployments, further streamlining the deployment process.
- Integrated Fastly CDN service with applications to support dynamic routing and improve content delivery network performance.
- Integrated Datadog with AWS infrastructure, incorporating components like APM, DBM, and setting up relevant alerts for proactive monitoring and issue resolution.

- Consistently provided solutions and recommendations to the team when selecting AWS services, ensuring optimal service usage and cost-effectiveness.

- Managed the workload of the platform team, prioritising tickets and ensuring efficient task allocation and completion.

### Senior Software Engineer

September 2021 - September 2023 (2 years 1 month)

- Led a team of DevOps engineers in designing, implementing, and maintaining Google Cloud environments.

- Implemented infrastructure in Google Kubernetes Engine (GKE), resulting in significant performance boost and cost-efficiency.

- Developed and optimized CI/CD pipelines using GitLab, achieving a 30% increase in efficiency and reliability.

- Deployed and managed applications in GKE, ensuring seamless scalability and availability.

- Monitored infrastructure and application states across different environments using Grafana and GCP Monitoring, proactively identifying and resolving issues.

- Managed the Infrastructure as Code repository, providing comprehensive training to new developers on the system.

- Secured significant cloud benefits, obtaining around \$200k in cloud credits for GCP and \$5k for MongoDB, enhancing cost-efficiency.

- Implemented SRE practices, including monitoring, alerting, and incident response, resulting in a marked improvement in service reliability.

- Worked closely with development teams to enhance software quality and reliability through continuous feedback and collaboration.

- Mentored and trained junior engineers (x2), fostering a culture of continuous learning and improvement.

### Charles Darwin University

Casual Lecturer

March 2020 - June 2022 (2 years 4 months)

Darwin, Northern Territory, Australia

- Taught undergraduate courses in software engineering, and web design.

- Developed and delivered engaging and informative lectures, enhancing student understanding and engagement.

- Graded assignments and exams, ensuring timely and constructive feedback for student improvement.

- Advised students on their academic progress, providing guidance and support for their academic goals.

## Cloudstreet Consulting Pty Ltd

### Senior Engineer

March 2020 - November 2021 (1 year 9 months)

Darwin, Northern Territory, Australia

- Created data pipelines on Azure cloud as part of the migration from on-premises to cloud infrastructure, ensuring seamless integration and minimal downtime for clients.
- Designed and implemented architectures for cloud-based solutions, leveraging Azure services to optimize performance and reduce costs for clients.
- Led the software development team for multiple clients, delivering high-quality and scalable solutions that met their business needs.
- Conducted code reviews, and provided technical guidance and mentorship to team members to ensure high-quality code and continuous improvement.
- Developed custom Power BI dashboards for clients, providing them real-time insights and enabling data-driven decision-making.
- Collaborated with cross-functional teams, including project managers, business analysts, and designers, to deliver end-to-end solutions that met client expectations.

## InterSystems ANZSEA

### Automation Engineering Intern

November 2019 - February 2020 (4 months)

Sydney, New South Wales, Australia

- Worked on a team project to migrate on-premise VM infrastructure to the AWS cloud
- R & D on the deployment of InterSystems TrakCare in docker containers
- worked on the scalability of containers in Google Kubernetes Engine

## Charles Darwin University

### Tutor

February 2019 - October 2019 (9 months)

Darwin, Northern Territory, Australia

- Provided practical tutoring sessions on HTML5, CSS3, and Python, facilitating hands-on learning experiences.
- Supervised 10 projects and their respective team members for the unit: Principles of Software Systems, ensuring successful project completion.

- Supported and monitored the complete software development lifecycle using agile development methodologies, fostering a collaborative and efficient learning environment.
- Prepared and provided learning materials to support the software development process, enhancing the quality of education.

## InterSystems ANZSEA

Intern

November 2018 - February 2019 (4 months)

Sydney, Australia

- Automating VMs deployment using vSphere and terraform
- Scripting the Ad-hoc configurations using PowerShell for windows environment
- Performing Infrastructure automation for creation/destruction and configuration management of automated test environments

## Discovery News Network Pvt. Ltd

System Engineer

November 2015 - July 2017 (1 year 9 months)

Kathmandu, Nepal

- Developing application code and unit test in the NodeJS, Rest Web Services and JavaScript technologies for the company's major product, RatoPati.
- Perform product analysis and development tasks of increasingly complex nature which may require extensive research and analysis.
- Spinning up VMs, setting up reverse proxies using nginx and cache optimisation using varnish.
- Ensuring performance.

## LIS Nepal Pvt. Ltd.

Intern

February 2015 - September 2015 (8 months)

Lalitpur, Nepal

Worked as a php developer in IoE, final year project, "Data Analysis based e-commerce system".

## Vijaya Media Pvt. Ltd

Assistant Web Developer

June 2010 - September 2011 (1 year 4 months)

Damkal Chowk, Lalitpur, Nepal

- Modify Front End Design of Company's Digital Product (Website)

- Create Photoshop Design for magazine articles.
- Assist in magazine design using Adobe InDesign
- System support to the end-users

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## Education

### Charles Darwin University

master of Information Technology (Business Information Systems), Computer Technology/Computer Systems Technology · (2017 - 2019)

Tribhuvan University, Institute of Engineering, Pulchowk Campus  
BE, Computer Engineering · (2011 - 2015)

Oxford College Of Engineering and Management  
+2, Science · (2008 - 2010)