

Terence Tuhinanshu

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Summary

Senior full-stack software engineer with 12+ years of experience working in open source, cloud-native, geospatial web apps with a focus on environmental impact.

Experience

2023 Senior Software Engineer, Element 84

- Mentored engineers, ran fortnightly Community of Practice meetings, worked with leadership to develop standardized engineering practices
- Gathered requirements, wrote proposals, devised architectures, estimated tasks, prepared Architecture Decision Records, did project retrospectives

2022 Senior Software Engineer, Azavea

- Led a team of engineers working across a number of projects, established standardized engineering practices, ran internal talks, spoke at conferences
- Developed full-stack high performance cloud-native geospatial web apps with a focus on hydrology, stormwater, and environmental impact

2015 Software Engineer, Azavea

- Developed front-ends in React, Redux, Backbone
- Developed back-ends in Django, Akka, ASP.NET
- Wrote infrastructure code in Ansible, Terraform
- Setup CI in Jenkins, Travis CI, GitHub Actions

2011 Release Manager, Performance Systems Development

- Worked with engineers, designers, project managers, QA testers, leadership, and clients to configure and manage more than a dozen instances of core product

Education

2011 MS in Software Engineering, Drexel University

- Specialization in User Interfaces and Artificial Intelligence

2009 Bachelors of Computer Application, Devi Ahilya University

- Honors degree

Skills

Languages & Platforms

JavaScript, Python, C#, Scala, React / Redux, Backbone, Shell, Terraform, Django, Akka, ASP.NET, SQL, jQuery, PHP, AWS, Git, Docker, Jenkins, GitHub Actions

Geospatial

GDAL, QGIS, GeoTrellis, PostGIS, Leaflet, MapboxGL, Dask, Zarr, Kerchunk

Development

Full-stack web development, REST APIs, static, VM, container, and Lambda based deployments on AWS

Data modeling, normalization, data migrations, query optimization

Estimation, architecture, diagramming, decision recording and documentation

Build and release pipelining, infrastructure as code, upgrade planning and execution

Geospatial data ingest, access, tiling, access

Design

Photoshop, Illustrator, InDesign, Affinity

Responsive web design, typography, web fonts, print design and publishing

Certifications

2023 AWS Solutions Architect - Associate

2019 Triplebyte Certified Generalist

2012 Functional Programming in Scala

