

Praphul Shivakoti

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EXPERIENCE

QikServe Ltd, Edinburgh, UK | Fullstack engineering intern

September 2019 - December 2019

- Used Apache Kafka for organizing different microservices by writing consistent producers and Kafka consumers in Java and Node JS.
- Worked closely with the dev-ops team to understand the server and cloud infrastructure of the company.
- Developed Selenium scripts in Java to automate functional tests for web applications, kiosk web services, and conducted manual testing for various payment services such as world pay.

ProMazo | Apprenticeship

January 2020 - May 2020

- Deployed and maintained web apps in AWS and Google cloud built using Django, React, REST API, and Node JS to develop web apps.

University of Rochester, Rochester, NY | Teaching Assistant

January 2018 - May 2020

- Hosted labs twice a week to help students understand key concepts and any help assisted with technical or logical problems.
 - Graded student projects and problem sets for introductory courses on data structures, object-oriented programming, and computational theory for approx.
 - Database and Algorithms. (Fall 2018, Spr 2019), Android development. (Spr 2020), Introduction to Java (Spr. 2018).
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SKILLS

Cloud: Proficient with EC2, App Engine, Compute Engine, S3, Route 53, Load balancing, database, monitoring, and other AWS and Google cloud services.

Web development: React, Angular, Node JS, Django, REST API, and other libraries for both front and backend development.

Other: Java, Python, Haskell, C, Atlassian(Jira bitbucket), Selenium scripting, Wireshark, Zookeeper.

EDUCATION

University of Rochester, NY, USA

Bsc Computer Science

August 2017 - May 2021

Edinburgh Napier University,

Edinburgh, Scotland | EPA

Sep 2019 - Dec 2019

Course work of interest:

Networking - Network architectures, Network technologies, Internetworking, Resource allocation, End-to-end issues, Interprocess communication.

Database systems - Database architecture and functionality, Data analysis and modeling, SQL, NoSQL, Database Administrator role.

Linux administration - Linux, webserver configurations, firewall configurations.

PROJECTS

Pay at Table: Worked as a full-stack engineer to build a web app, Pay at Table v2, which is widely used throughout the UK, USA, and Europe.

Apache Kafka: Designed and programmed a consistent Java and Kafka Node JS producer and a Kafka Java consumer using Maeven, and Kafka JS.

File Compression:

Used the Huffman compression algorithm to compress text files.

Feature mapping:

Used Python cv2 and a cascade for feature mapping.

Socket programming:

Wrote a Java App to host checkers over tcp for multiple servers. AWS.