Prajjwal Bhandari

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Experience

General Electric　　　　　　　　　　　　　　　　**Senior Software Developer**

Developed a cloud based sevice that analyzes electrical grids at scale.　　*May. 2020 — Current*

- Created an application that allowed customers to run analyses on their electrical grids on a specified schedule.
- Managed scrum process, including running standups, groomings, retros, and co-ordinating the backlog with the Product Managers and fellow Engineers.
- Improved release processes, and reduced release testing timelines to 1 week, by focusing on test automation.
- Investigated performance issues in the application, and improved the median response time of one endpoint from 7s to 2 secs (a 250% speedup).
- Created API Design Guidelines, which has been adopted by multiple teams to improve API consistency across our microservices.
- Created a microservice to manage delivery, failures, and logging of inter-service communications which improved notifications handling across multiple other microservices.

Technologies Used: Python 3, PostgreSQL, Linux, Docker, Flask, sqlalchemy, kafka, rabbit, kubernetes, alembic

G Adventures　　　　　　　　　　　　　　**Intermediate Software Developer**

Developed microservices to help sunset a legacy internal tool.　　*Jun. 2016 — Dec 2019*

- Improved UX by soliciting direct feedback from the users, and implementing required fixes.
- Created a culture of testability, and reduced regressions by increasing code coverage.
- Utilised Ansible to improve onboarding and local development processes.
- Created, and implemented, a plan to migrate a legacy monolith to a microservice.
- Created a stateless microservice to securely accept customer payment, enabling us to accept non-NA payment methods, and allowing easier security audits.

Technologies Used: Python 2/3, PostgreSQL, Linux, Ansible, Django, DRF, AWS, Celery

IBM　　　　　　　　　　　　　　　　　　**Junior Software Developer**

Worked on the IBM Java JIT, and improved build processes surrounding it.　　*May. 2015 — Jun. 2016*

- Investigated issues with the JIT, and shadowed developers in fixing them.
- Improved CI, and build promotion, time to 2 hours (from the original 30).
- Automated the maintenance of the machines within the build farm, .
- Migrated the codebase from our old version control system (RTC) to `git`.

Technologies Used: Linux, AIX, z/OS, C, C++, Asm, PERL, Python, PostgreSQL, Jenkins

Education

Honours Bachelor of Science in Computer Science University of Toronto　　　　*2015*