

Ankur Jyoti Phukan

Python Software Engineer | Backend & Automation

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Assam, India (IST, UTC+5:30) | Open to remote roles

SUMMARY

Python-focused software engineer with experience in enterprise automation, backend development, platform engineering and production support. Develops and maintains Python automation workflows, troubleshoots production issues and supports client deployments. Earlier experience includes search APIs, Kafka-based messaging, Elasticsearch and microservices. Uses AI-assisted development tools and reviews all generated code before raising pull requests.

TECHNICAL SKILLS

Core: Python, software development, debugging, code review

Automation: Web automation, Selenium

Backend and architecture: REST APIs, microservices, event-driven systems, search APIs

Technologies: Kafka, Elasticsearch, Java, AWS, Hadoop, Cassandra, Git, CI/CD

AI-assisted development: Claude Code, LLM-assisted implementation, iterative requirement refinement

PROFESSIONAL EXPERIENCE

Senior Software Engineer, Soroco | April 2022 - Present

- Develop and maintain Python-based automation solutions and software features supporting enterprise client workflows.
- Troubleshoot production issues, investigate failures and implement fixes to keep client automations running.
- Use LLM-based development tools to support implementation, reviewing generated code before raising pull requests.
- Upgraded the automation platform across Python versions (3.8 to 3.10, and 3.9 to 3.12/3.13), adapting code and dependencies to each release.
- Replaced a custom Selenium SDK wrapper with a lighter plain-Python Selenium wrapper to make web automation easier to maintain.
- Diagnosed and fixed runner processes stalling on AWS SQS message handling.
- Migrated CI pipelines and a dashboard between internal environments.

Software Engineer - SRE, Soroco | October 2019 - April 2022

- Built and maintained enterprise automation solutions, mainly for web applications and some GUI workflows, using an internal Python automation SDK.
- Triaged and fixed automation failures caused by upstream UI changes to reduce disruption to client deployments.
- Handled production support and debugging for client automation deployments.

Automation Engineer, Rankitright Media (OPC) Private Limited | April 2019 - July 2019

- Developed Python automation for SEO data collection and repetitive operational tasks.

Platform Engineer, Aaknet India Pvt. Ltd. | March 2017 - March 2018

- Developed search APIs for user-facing and internal applications in a microservices architecture.
- Worked with Kafka for messaging, plus Elasticsearch, Python, Java, Hadoop, Cassandra, AWS, Git and CI/CD.

PROJECTS

- **GeoProof GPS Camera** (Android, closed testing): camera app that records where and when each photo was taken, for field work such as site inspections and documentation.
- **PopOut** (Android, closed testing): instant-film camera app that develops photos on screen with grain, vignette and a print border.
- **Ananta Spiritual Companion** (Android, closed testing): offline, account-free app for reading, reflection and practice.
- **ShadowTyping** (shadowtyping.com): free typing-test website.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science and Engineering, North-Eastern Hill University, 2012 - 2016