

PAYAS RELEKAR

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SUMMARY

- Payas Relekar is a Software Engineer at FPL Technologies (OneCard) in Pune, India. He is an experienced software developer with 5+ years of experience and Masters in Digital Systems from Savitribai Phule Pune University. His versatile interests and experience include multiple domains and technology stacks.
- Versatile experience in developing solutions for Digital Payments, Natural Language Processing, Embedded Electronics, system administration and more.
- Demonstrated quick adaptability working across multiple domains and platforms, development as well as research, team oriented as well as independent work capability.

SKILLS

Languages/Technologies	Java, SQL, Bash, Python, Emacs, Nix, Docker
Platforms	Linux, NixOS, AWS (EC2, Lambda, Gateway)
Databases	PostgreSQL, SQLite
Tools	Git, Grep/Regex, Awk, Sed
Libraries/Frameworks	jPOS, Spring (Boot), Hibernate, TestNG

WORK EXPERIENCE

FPL Technologies (Onecard)

Product : *Unified Payments Interface*

Role : *Senior Software Engineer (Backend)*

Feb 2023 - Till Date

- FPL Technologies is a Technology Service Provider for multiple banks, acting as a Credit Card issuer.
- Implemented complete backend integration for Unified Payments Interface (UPI) from scratch, including transaction processing and reconciliation engine.
- Ownership of complete UPI integration, including architecture and design, framework creation & improvements, Java/JDK upgrades (8 to 17 & 17 to 21), build system improvements, deployment pipelines, metrics & monitoring, unit testing and documentation.
- Initiated and spearheaded restructure and Java upgrade (8 to 21) for existing authorization engine monorepo. Led cross-team efforts to improve build pipelines with service separation, caching and other application performance improvements.
- Participated in hiring and onboarding of new team members in UPI and other existing projects. Mentored freshers and new team members to speed up onboarding.
- **Technologies:** Java (8-21), jPOS, Hibernate, PostgreSQL, AWS, Docker, Prometheus, Micrometer

ACI Worldwide, Inc

Product : *ACI Secure eCommerce*

Role : *Software Engineer (Product Development)*

Jan 2022 - Jan 2023

Role : *Associate Software Engineer (Product Development)*

Jul 2019 - Dec 2021

- ACI Secure eCommerce (formerly PAY.ON Payments Gateway) offers a white-label payment platform for omni-channel transaction processing through one payment platform: eCommerce, mCommerce and mobile point-of-sale.
- End-to-end feature development across multiple modules and microservices, mandate implementations across multiple connectors and APIs.
- Provided incident resolution, platform monitoring and ensuring stability across the stack. Acquired strong understanding of development process, tooling, infrastructure and domain expertise.
- Agile development experience on platform modules, including APIs, configuration, business logic, platform security and front-end.
- Received multiple accolades for customer-centricity and integrity.
- **Technologies:** Java, Spring/Spring Boot, Hibernate, PostgreSQL, Linux, Git, AWS (EC2), Docker

ACI Worldwide, IncProduct : *Universal Payments Framework, Universal Online Banker*Role : *Intern (Product Development)*

Jan 2019 - Jun 2019

- Universal Payments Framework (UPF) provides purpose-built payments functionality to orchestrate all aspects of payments processing for any payment type, any channel, any currency and any network.
- Developed and maintained interfaces between various payments APIs, with differing protocols such as SOAP, REST, ISO 8583, APACS etc. Acquired understanding of payments domain and API implementations.
- Implemented and extended internal test framework to interface with UPF, to allow automated test execution with simple Excel test generation. Implemented automatic test-case generation to ease on-boarding QA staff.
- **Technologies:** Java, SOAP, REST, Subversion, Bash, Git

OPEN SOURCE CONTRIBUTIONS**NixOS/Nixpkgs**

Jan 2021 - Till Date

Nix, Bash, Python, Go, Rust

- Nixpkgs is a collection of 80000+ packages and one of the most active projects on GitHub. It also describes possible configuration for a complete Linux distribution using above packages.
- Contributions include new and ongoing maintenance of multiple packages, implemented in different languages.

GNU Emacs

Sep 2022 - Till Date

Emacs-Lisp, C, TexInfo

- GNU Emacs is an extensible, customizable and free/libre text editor built on top of Lisp dialect evaluator.
- Contributions include new Elisp packages and development tooling.

ACADEMIC PROJECTS**Sarcasm Detection using Machine Learning**

Jan 2019 - Jun-2019

*Python, Pytorch, SpaCy, sklearn, Pandas, Numpy***Magnetic Levitation using Real-time PID**

Jan 2016 - Jun 2016

C, Arduino

PUBLICATIONS**Survey of Machine Learning for Sarcasm Detection**

2019

*International Journal of Engineering, Research and Technology***Magnetic Levitation using Real-Time PID**

2016

National Conference for Students in Electrical and Electronics Engineering, VIIT

EDUCATION

Master of Engineering (Electronics) in Digital Systems Pune University	8.48
Bachelor of Engineering in Electronics & Telecommunications Pune University	62.5 %