

**Role:** Android development Intern

**Requirement 1**

**Project description**

Students will work on programming real world projects and prototyping related to product development. They will work with mobile architects, leads and experts in the industry. They will get a chance to develop really cool User Interfaces and User Experiences, modules required to communicate with the server efficiently as well as work on player and streaming related mobile infrastructure. Learning. Development. Fun!

**Skill Set**

Sound Knowledge in Computer Science, Algorithms, and Data structures- Programming Knowledge in either Kotlin or Java for Android app development.

**Role:** IOS development Intern

**Requirement 1**

**Project description**

Students will work on programming real world projects and prototyping related to product development. They will work with mobile architects, leads and experts in the industry. They will get a chance to develop really cool User Interfaces and User Experiences, modules required to communicate with the server efficiently as well as work on player and streaming related mobile infrastructure. Learning. Development. Fun!

**Skill Set**

Sound Knowledge in Computer Science, Algorithms, and Data structures- Programming Knowledge in either swift or swiftUI for iOS app development

**Role:** Mobile team QA Intern

### **Requirement 3**

#### **Project description**

Automation of the test cases in Python using UTAF (Unified Test Automation Framework)  
Design and develop client-side end to end test cases and test suites for Android and iOS Mobile applications

Troubleshoot - framework/CI/env issues and fix them

Setup test env & execute newly designed/regression cases

#### **REQUIRED SKILLS**

Good in programming and data structures

Knowledge of Python

Good communication skills.

**Role:** Mobi TV SRE (5933)

## **Requirement 1**

### **Project description**

Candidate will be the part of SRE (Site Reliability Engineering) group. Our PayTV platform is a video delivery solution for all kind of devices (mobile, tablet, TV, PC, etc.). We have deployed many DevOps technologies like; puppet, Salt, IPA, Foreman, Jenkins, Ansible, Docker, Nomad, Harbor, Dynatrace, etc.

PayTV platform is a micro-service based multi-tenant platform catering to 100+ Cable TV Operators, designed to scale for 1+ million subscribers. We have two business model, Managed Service and In-Network. Under these categories, we have more than 80+ customers, so one has to be very cautious, while make any change in the system.

The difference at Xperi is its people; we are the point where technology, media, and human needs meet. We are passionate about teamwork and innovation; we are inventing the future.

As an Intern, you will play an important part in troubleshooting, preparing RCA, writing scripts, supporting, and deploying updates, enabling new upcoming technologies of DevOps, etc.

### Tech Stack

Docker  
Nomad  
Icinga  
Consul  
Prometheus  
Grafana  
Ansible  
Jenkins  
Vcenter  
Shell Scripting  
Yaml language  
Golang

Pay TV Customers are worldwide, and they are primarily spread across North America regions.

### Job Purpose

Candidate will be part of the SRE team, and he/she will be closely working with other engineering groups like, Platform, Media, BI, Client, etc to understand the deployment / monitoring requirements.

Here's what you get to do:

Candidate will be part of SRE team where he/she will be working as Intern and accessing new technologies, understanding system, and looking for improvements (if any) using and exploring all deployed DevOps tools and technologies in system. We are open to adapt new DevOps technologies and would like to upgrade ourselves on regular intervals, this would be another exciting task, which should be done on regular basis. He/she will be responsible for understanding cross functional requirements and will be responsible to create, test and deploy the same.

Who we are looking for?

We are looking for a Candidate who is having good attitude and skills in learning new technologies and add value by being productive with little assistance. He or She needs to be a self-starter and should be able to learn the domain without spoon feeding.

Bachelor's Degree in Computer Science or a related field (Master's Degree preferred)

Understanding of following:

Docker

Shell Scripting

YAML writing and understanding

Go-Lang

Python

Ability to trouble-shoot and chase down problems in complex inter-connected systems

Willingness to investigate new tools and technologies

Competency in one or more scripting languages such as Shell Scripting, Python etc.

Basic knowledge of version control using GIT

Basic knowledge and experience of CI-CD pipeline

Excellent analytical and troubleshooting skills

Strong work ethic

Excellent verbal and written communication skills

**Role:** Metadata (5934)

## **Requirement 1**

### **Project description**

Join a team that is dedicated to creating world-class development and deployment environments that are highly scalable and resilient. The Metadata engineering team daily ingests the data from multiple content providers and aggregators along with enriching. As Software Engineer intern, Xperi, you'll understand and will be part in delivering our enriched video metadata to many customers and Pay TV operators around the world. Enjoy the opportunity to draw on your passion for problem-solving and simplifying tasks, as well as your technical skill set to make important contributions to the platform.

This technical role is focused on developing and deploying microservices along with building new features around the metadata pipeline and working with teams to solve complex problems.

What you will get to do:

Analyze, understand and develop new features for our Ingest 2.0 project.  
Identify and automate repetitive operational tasks at all stages of the software lifecycle  
Who we are looking for:

Must have:

Working with an agile team to setup and configure cloud-based environments.  
Design and develop secure cloud system architectures in accordance with established standards.  
Actively participate in design meetings with the development team.  
Package and support deployment of releases.  
Analysing and resolving technical and application problems.  
Adhering to high-quality development principles while delivering solutions on-time and onbudget.  
Knowledge of linux scripting  
Nice to have:

Experience on Docker, Kafka/Rabbit MQ, and Cloud Architecture (AWS)  
Familiarity with version control concepts (Git)  
Experience with IaaS/PaaS/SaaS development environments (e.g. Amazon AWS)  
What will make you successful:

Good troubleshooting skills and proactive in learning  
Excellent written and oral communication skills

**Role:** Metadata (5935)

## **Requirement 2**

### **Project description**

About the role:

(Tell us about the team and the impact of this role.)

Join a team that is dedicated to creating world-class development and deployment environments that are highly scalable and resilient. The Metadata engineering team daily ingests the data from multiple content providers and aggregators along with enriching. As Software Engineer intern, Xperi, you'll understand and will be part in delivering our enriched video metadata to many customers and Pay TV operators around the world. Enjoy the opportunity to draw on your passion for problem-solving and simplifying tasks, as well as your technical skill set to make important contributions to the platform.

This technical role is focused on developing and deploying microservices along with building new features around the metadata pipeline and working with teams to solve complex problems.

What you will get to do:

Analyze, understand and develop new features for our Ingest 2.0 project.  
Identify and automate repetitive operational tasks at all stages of the software lifecycle  
Who we are looking for:

Must have:

BE degree in Computer Science and Engineering or a related subject  
Strong hands-on experience in JAVA , REST API  
Understanding of Microservices and SQL Queries and stored procedures  
Good in Data structure and algorithm  
Nice to have:

Experience on Docker, Kafka/Rabbit MQ, and Cloud Architecture (AWS),  
Good understanding of JSON, XML

What will make you successful:

Good troubleshooting skills and proactive in learning  
Excellent written and oral communication skills

**Role:** Metadata (5937)

## **Requirement 1**

### **Project description**

Candidate will be working on Knowledge Graph core team. KG is a connected graph focused on media related entities. It's a rich source of Metadata with millions of interconnected Nodes that powers many products like matching, Consume, Convo, AS&R etc. We work on base metadata and advance metadata. Its core R&D team so a lot of work is done towards R&D to constantly improve data quality and coverage.

Job purpose:

We constantly try to improve our algorithms, try new algorithms to improve our data further.

We keep adding new data sources to enrich our KG further.

Also, we have many core datagens that need to run daily successfully. Each member owns a few of these and ensures their successful run and constantly fix issues in case of failures.

Here's what you get to do:

Candidate will be working and eventually owning some of the many data pipelines we have in KG.

Since data is huge and changing all the time, he/she will be involved fixing data issues as well as will be involved in new feature development.

Who we are looking for?

Software development, debugging and testing

Collaborating with team

Proactively learning new technologies

Basics of AWS/or any other cloud knowledge

Basics of Database management system

Basics of Linux commands and Git

Knowledge about using command line environment tools like terminal etc.

Strong problem-solving abilities and communication skills

Top 3 primary skills and expertise level requirement ( 1 to 5; 5 being expert)

Python, Javascript, HTML and CSS - 3

Supporting tools used

Flask

Django



**Role:** Metadata (5938)

## **Requirement 1**

### **Project description**

You will be part of team that works on Unified Data Foundry which is a Message-Based Pipeline to process data from many inputs to many outputs in near real time. You will have exposure to microservices and messaging based architecture.

Job purpose:

Using some of the latest tools and technologies, you will develop, enhance and maintain features in the TiVo service while continuously improving the efficiency, scale, observability, resiliency and availability of the cloud services (both public and private). This will involve developing APIs and stream processing applications.

Here's what you get to do:

Develop detailed design specifications, unit test plans, and high-quality code. Work with a team of talented software engineers through the entire development cycle, from design through deployment and monitoring.

Work with Architecture, Development, QA, and other engineering groups to define, build, and evolve into a world-class software development organization.

Work on Prototyping and/or mini projects related to product development.

Who we are looking for?

Good Computer Science fundamentals and object-oriented programming and design

Good hold on Algorithms and Data Structures

Strong written and verbal communication skills

Programming Knowledge in Java

Top 3 primary skills and expertise level requirement ( 1 to 5; 5 being expert)

Programming Knowledge in Java (4)

**Role:** IPTV (5953)

## **Requirement 1**

### **Project description**

Our PayTV platform is a video delivery solution committed to making the live and on-demand entertainment experience better across all devices and platforms. Our content delivery platform unlocks content from the traditional Set Top Box (STB) experience allowing Pay TV providers to seamlessly deliver content to their subscribers on all screens. PayTV platform is a micro-services based multi-tenant platform catering to 100+ Cable TV Operators, designed to scale for 1+ mil subscribers.

The difference at Xperi is its people; we are the point where technology, media, and human needs meet. We are passionate about teamwork and innovation; we are inventing the future.

As part of the team, you will play an important part in serving our customers, surrounded with passionate people eager to help you succeed. We're looking for future innovators of 21st century video delivery solutions.

### **Roles and Responsibilities**

Candidate will be the part of Web Team which is responsible for Developing tools that interact with backend platform components and also Web based media streaming client applications.

As a Web Developer candidate will play a crucial role in creating and maintaining visually appealing, user-friendly web applications. You will collaborate with designers, back end developers, and other stakeholders to deliver high-quality, responsive front end solutions.

### **Key Responsibilities:**

Develop and implement front end solutions using HTML, CSS, JavaScript, and React.

Collaborate with designers and back-end developers to bridge the gap between graphical design and technical implementation.

Write clean, efficient, and well-documented code that adheres to industry best practices and coding standards.

Create reusable UI components and libraries to promote code modularity and reusability.

Optimize web applications for maximum speed and scalability, ensuring an excellent user experience across different devices and browsers.

Conduct thorough testing and debugging of web applications to ensure high quality and eliminate performance issues.

Stay up to date with emerging front-end technologies, frameworks, and industry trends, and apply them to improve development processes and outcomes.

Collaborate with cross-functional teams to gather requirements, provide technical insights, and contribute to project planning and estimations.

Troubleshoot and resolve front end issues and bugs reported by users or identified during testing phases.

Participate in code reviews to maintain code quality and promote knowledge sharing among team members.

Tech Stack

Html, Css, Javascript

React, Redux

js

Who we are looking for?

We are looking a Candidate who is having good attitude and skills in learning new technologies and add value by being productive with little assistance. He or She needs to be a self-starter and should be able to learn the domain without spoon feeding.

Pursuing Bachelor's / Master's Degree in Computer Science or a related field

Strong understanding of computer science fundamentals including data structures, algorithms, concurrency and Object-Oriented design

Ability to trouble-shoot and chase down problems in complex inter-connected systems

Willingness to investigate new tools and technologies to incorporate into software development and deployment cycle

Competency in Node, Javascript, React, Redux.

Good working knowledge of version control using GIT and CI-CD pipeline

Familiarity with REST

Excellent analytical and troubleshooting skills

Strong work ethic

Excellent verbal and written communication skills

**Role:** IPTV (5953)

**Requirement 1**

**Project description**

Candidate will be the part of client engineering group. Our PayTV app is a video delivery solution committed to making the live and on-demand entertainment experience better across all devices and platforms. Our content delivery platform unlocks content from the traditional Set Top Box (STB) experience allowing Pay TV providers to seamlessly deliver content to their subscribers on all screens. PayTV platform is a micro-services based multi-tenant platform catering to 100+ Cable TV Operators, designed to scale for 1+ mil subscribers.

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**Tech Stack**

Swift  
Combine  
Android SDK  
Leanback SDK  
Kotlin  
RxJava  
Retrofit  
Dagger  
OkHttp  
Gradle  
Swagger  
fastlane  
REST APIs  
Jenkins

Pay TV Customers are worldwide, and they are primarily spread across NA and Canada regions

**Job Purpose**

Candidate will be part of the Client Core team and he/she will be closely working other engineers, QA, product manager on new features and resiliency work items in an Agile Development environment.

Here's what you get to do:

Candidate will be part of Web tools team where he/she will be working as a Software Engineer doing development, unit testing, Manual Testing, Automation Testing, and deployment of features, technical debt and bug fixes. He/she will be responsible for understanding customer requirements and new feature request and will be responsible for coming up with solutions and completion of assigned tasks. He/she will be expected to follow agile development process along with CI/CD and other best development practices.

Who we are looking for?

We are looking a Candidate who is having good attitude and skills in learning new technologies and add value by being productive with little assistance. He or She needs to be a self-starter and should be able to learn the domain without spoon feeding.

Pursuing Bachelor's / Master's Degree in Computer Science or a related field

Strong understanding of computer science fundamentals including data structures, algorithms, concurrency and Object-Oriented design

Ability to trouble-shoot and chase down problems in complex inter-connected systems

Willingness to investigate new tools and technologies to incorporate into software development and deployment cycle

Competency in Swift or Java.

Good working knowledge of version control using GIT and CI-CD pipeline

Familiarity with REST

Working knowledge of Relational Databases and DB design concepts– MySQL (preferred)

Excellent analytical and troubleshooting skills

Strong work ethic

Excellent verbal and written communication skills

Understanding of Agile/Scrum methodology