

Rovshen Paltayev

Software Engineer

Ambitious Software Engineer with 5+ years of work experience in developing large-scale front-end and back-end applications with strong data structure, algorithm, and problem-solving fundamentals. Developed complex and user-critical path features with efficient and scalable solutions.

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TECHNICAL SKILLS

Languages	JAVA Python JavaScript HTML5 CSS3 SQL CQL	Web Technologies	Spring Boot React.js Redux Node.js Express.js REST
Data Management	MySQL Cassandra PostgreSQL Mongo DB	Data Modeling	JSON XML
Big Data	AWS Splunk Elasticsearch Zookeeper Kafka New Relic DataDog Redis	Tools	Docker Kubernetes Jenkins

WORK EXPERIENCE

Senior Software Engineer

Ping Identity

04/2021 - Present

Austin TX

Achievements/Tasks

- Played a key role in integrating and releasing newly acquired **Identity Orchestration** product with PingOne (IDAAS) using technologies like **MongoDB**, **Redis**, and **Node.js**.
- Designed, implemented, and successfully released for GA a **flow orchestration service** that integrates external APIs with the platform (**Web Postman**).
- Developed various plugins to integrate existing microservices with flow orchestration and management services.
- Explored and did **POC on graph database Neo4j** to fully remodel the authorization model as document databases were not sufficient for many-to-many relationships.
- Created and maintained critical stateful and stateless platform services that teams use to integrate features into our product in a CI/CD microservice architecture.
- Created **rich and informative documentation and video presentations** for the most complex services on the platform.

Software Engineer

Ping Identity

03/2019 - 04/2021

Austin TX

Achievements/Tasks

- **Analyzed authorization model**, compiled list of bottlenecks, and outlined use cases to determine bottlenecks in the system. Came up with short-term and long-term solutions.
- Re-designed and implemented permissions (authorization) calculation service increasing **throughput minimum by 50x**, increasing **efficiency minimum 5x**, and **reducing response size by 70x** in worst-case scenarios.
- Orchestrated **efficient large-scale** identity management **platform-wide** software deployments **collaborating across the teams**, including testing features and correcting code.
- Helped team members with **onboarding** and created a variety of resources for future employees decreasing overhead for onboarding.
- Developed microservice-based **distributed systems with four 9 availability**, high throughput, fault tolerance, and performance.
- Built highly complex UI web application **React** components and refactored them to improve overall UI efficiency.

WORK EXPERIENCE

Full Stack Engineer

Brighten Technology Solutions

01/2017 - 03/2019

Houston TX

Achievements/Tasks

- Collaborated with an agile team of 6, and helped prioritize and scope feature requests to ensure that the biggest impact features were worked on first.
- Built and maintained **web-crawling software** to efficiently source products using **Python** and increased product sourcing capabilities.
- Developed an online deal locator, catcher, detector, and checkout application using **React and Python**.

Software Developer

North American University

08/2016 - 01/2017

Houston TX

Achievements/Tasks

- Revised, modularized, and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Refactored UI codebase introducing **React and Redux**, built the codebase according to the latest UI code practices and added unit tests to reduce bug exposure.
- Built **code running and grading framework** with reporting capabilities, increasing efficiency of overall grading and reporting processes.

EDUCATION

MS in Computer Science, Software Engineering

North American University

09/2016 - 05/2019

PERSONAL PROJECTS

AI Face Recognition And Detection Web Application (09/2020 - 12/2021)

- Face detection and face recognition application utilizing AI REST APIs.
- Fully designed and developed face detection and face recognition web application with AI training capabilities to persist face data in order to recognize previously detected human faces.
- Utilized React.js with HTML5/CSS for front-end and PostgreSQL, Node.js and Express.js for back-end.

Travel Guide (10/2018 - 12/2018)

- Open Source Project run by community of developers.
- Assisted in react performance optimization changes by optimizing state management and memoization techniques.
- Increased efficiency listing pages by utilizing react-window tool to optimize render capacity.

AWARDS & CERTIFICATES

Team Award Q3 & Q3 - Ping Identity (09/2021 - 12/2021)

One of few people in our team that was awarded a team award for designing, implementing, and delivering highly sought-after features on time.

OCA Certified Associate - JAVA SE Programmer
(11/2018 - Present)

Gold Medal in National Computer Project Competition of Turkmenistan (04/2010 - Present)