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 CICD 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 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)