

Huzaifa Ambakhutwala

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Professional Summary

Full Stack Developer with 4+ years of experience designing, developing, and deploying scalable web applications, secure backend services, and cloud-native solutions. Skilled in building high-performance frontend interfaces using React.js, TypeScript, and modern UI frameworks, and engineering robust backend microservices with Node.js, Express.js, Java (Spring Boot), and .NET Core. Proficient in REST/GraphQL API development, database optimization, and implementing containerized CI/CD pipelines using Docker, Kubernetes, GitHub Actions, Jenkins, and Azure DevOps. Strong background in system security, including authentication, authorization, secure coding practices, TPM validation, secure boot workflows, and vulnerability troubleshooting. Known for delivering production-ready features, writing clean and maintainable code, and collaborating effectively with cross-functional teams in Agile/Scrum environments.

Skills

Programming Languages: Java, JavaScript, TypeScript, Python, C#, C++, SQL, PowerShell

Frontend Development: React.js, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap, jQuery, Responsive UI, Cross-Browser Compatibility

Backend Development: Node.js, Express.js, Java (Spring Boot), .NET Core, REST APIs, GraphQL APIs, WebSockets, Microservices Architecture

Databases & Storage: MongoDB, PostgreSQL, MySQL, Redis, Database Schema Design, Query Optimization, Data Modeling

DevOps / Cloud / CI/CD: Git, GitHub, GitHub Actions, Jenkins, Docker, Kubernetes, Azure DevOps, AWS (Lambda, S3, EC2), Vercel, CI/CD Pipelines, Containerization

Security & Authentication: OAuth2, JWT, RBAC, OWASP Best Practices, TPM Validation, Secure Boot, Firmware Integrity Monitoring, Device Trust Verification, Security Compliance

Testing & Debugging: Jest, Mocha, Postman, Chrome DevTools, Unit Testing, Integration Testing, API Testing, Debugging, Performance Monitoring

Tools & Utilities: VS Code, Visual Studio, Jira, SQL Developer, API Documentation Tools, Version Control

Development Methodologies: Agile/Scrum, Sprint Planning, Task Estimation, SDLC Compliance, Technical Documentation, Architecture Documentation, Code Reviews

Experience

Full Stack Developer | Cardinal Health, Remote, USA

Dec 2024 - Present

- Developed and enhanced scalable, user-centric frontend modules using React.js, TypeScript, Redux, and Tailwind CSS, improving the product browsing, filtering, and checkout journey across high-traffic e-commerce pages.
- Engineered and optimized backend microservices using Node.js, Express.js, and Java (Spring Boot) to support real-time inventory synchronization, dynamic pricing updates, and personalized recommendation logic.
- Designed, integrated, and maintained REST and GraphQL APIs, ensuring seamless and high-performance data communication between product catalogs, recommendation engines, and customer-facing applications.
- Implemented advanced performance optimization techniques such as lazy loading, server-side caching, memoization, and asynchronous processing, reducing page load latency and API response time by over 30%.
- Managed complex data operations using PostgreSQL, MongoDB, and Redis, creating efficient schemas, improving query performance, and handling high-volume product metadata and customer personalization datasets.
- Automated cloud-native deployments using GitHub Actions, Docker containers, and Kubernetes clusters, ensuring reliable, scalable, and zero-downtime releases across multiple environments.
- Collaborated closely with cross-functional UX designers, product managers, QA teams, and data engineers in Agile/Scrum ceremonies to deliver sprint features, resolve functional defects, and continuously improve platform reliability.

Security Software Engineer | HP Inc., Spring, TX

Jun 2022 - Oct 2024

- Developed and maintained advanced backend security monitoring and diagnostic tools using C#/.NET, enabling real-time tracking of firmware integrity, hardware trust states, and enterprise-wide device security compliance across large-scale deployments.
- Enhanced and expanded internal engineering dashboards using HTML, Bootstrap, JavaScript, and jQuery, improving visualization of device health, security metrics, anomaly trends, and firmware telemetry for operational teams.
- Automated end-to-end CI/CD workflows in Azure DevOps, optimizing build pipelines, validation scripts, and deployment sequencing, resulting in a 30% reduction in release cycle time and significantly improved release reliability.
- Implemented robust TPM-based validation logic, secure boot verification, and trust-level authentication mechanisms to detect device tampering, validate firmware authenticity, and strengthen enterprise device integrity workflows.
- Developed high-performance C++ utilities and PowerShell automation scripts to streamline firmware provisioning, deployment verification, post-update security audits, and hardware policy enforcement across multiple device models.
- Collaborated closely with firmware, platform, cybersecurity, and systems engineering teams to troubleshoot integrity failures, mitigate vulnerabilities, enhance monitoring pipelines, and support secure enterprise hardware lifecycle processes.
- Authored comprehensive technical documentation covering system architecture diagrams, secure deployment procedures, test case design, validation methodologies, and SDLC compliance guidelines, ensuring consistency and audit readiness.

Software Developer Intern | Experion Technologies, India

Mar 2020 - Jan 2021

- Assisted in developing modular frontend components using JavaScript, React.js, and HTML/CSS, enhancing UI responsiveness and cross-browser compatibility.
- Implemented REST API integrations using Node.js & Express.js, supporting vehicle tracking, route updates, and driver status synchronization.
- Collaborated with senior developers to design and optimize SQL database schemas (MySQL) for managing fleet, driver, and shipment data.
- Participated in daily Agile/Scrum standups, contributing to sprint planning, task estimation, and feature reviews.
- Performed debugging, unit testing, and issue resolution using Postman, Jest, and Chrome DevTools, reducing UI/API defects before release.
- Contributed to writing technical documentation, including API usage guides and feature implementation notes, improving cross-team communication.
- Supported deployment activities in Git/GitHub and CI/CD pipelines, ensuring smooth code integration and continuous delivery.

Education

Master of Science (M.S.) in Computer Science

Jan 2021 - Dec 2022

University of Houston | Clear Lake, Houston, USA

Bachelor of Engineering (B.E.) in Information Technology

Aug 2016 - Mar 2020

Ahmedabad Institute of Technology, Ahmedabad, India

Projects

Volleyball Stat Tracker – React, JavaScript, Firebase

- Tournament manager and stat tracker used by Burhani Sports Club. Features real-time scoreboards, team assignment, stat recording, and admin panel.

TPM Device Verification Tool – C++/PowerShell

- Designed a TPM-backed integrity validator using signed firmware metadata. Used internally by HP’s compliance teams.

CI/CD Security Bot – PowerShell, Azure DevOps

- Automated OWASP Top 10 scans and alerting within pipelines; improved remediation velocity by 20%.

Task Manager API (Secure Build) – Node.js, MongoDB, JWT

- Implemented role-based access and encrypted storage for task tracking; deployed in internal DevOps environment.

Certifications & Training

- Certified Ethical Hacker (CEH) – EC-Council, 2024
- Managing Security in Google Cloud Platform – Google, 2023
- Cybersecurity Compliance & System Administration – Univ. of Maryland, 2022
- Usable Security & Python Programming – Google, 2022