HASSAN RAZA

Menlo Park, CA 94025· 669.832.7275
hassanraza632@gmail.com · www.linkedin.com/in/autodidactguy

FULL STACK DEVELOPER (JAVA|MEAN|MERN)

Experienced and results-oriented Full Stack Developer with nearly 7 years of dedicated expertise in guiding intricate projects across the entire software development life cycle. I specialize in optimizing functionality, performance, and responsiveness, delivering exceptional outcomes. My portfolio includes crafting RESTful APIs, designing robust databases, and creating engaging frontend solutions for websites, ERP systems, and applications. My technical toolkit spans a wide range of technologies, including Java, JavaScript, TypeScript, React.js, Node.js, DynamoDB, MySQL, PostgreSQL, MongoDB, and AWS Cloud. I excel in harnessing these tools to drive innovation and ensure the success of diverse software initiatives. My commitment to continuous learning and growth is evident in my track record of consistently delivering high-quality software solutions.

Software Development Life Cycle · Software Design / Implementation · Testing / Troubleshooting
Frontend / Backend · Microservices · RESTful Web Services · Problem Solving · Team Leadership

Languages: Java
Web: JavaScript,TypeScript, jQuery, HTML5, CSS, Sass, Bootstrap, Material Design, PHP
Web Services: REST
Web and Application Servers: Apache, Apache Tomcat, Nginx
Frameworks: Spring / Spring Boot, Spring Security, JPA, Express.js, React (Library), Angular, Laravel, Node.js.
Databases: DynamoDB, MySQL, PostgreSQL, MS SQL, MongoDB
Design Patterns: Observable, Singleton, Decorator, Adapter, Abstract Factory, Template Method, Chain of Responsibility, Prototype.
SDLC: Agile / Scrum
Tools: Maven, Jira, Docker, Postman, VS Code, GitHub, JUnit, StarUML, IntelliJ IDEA
Cloud Tools: AWS Infrastructure (AWS CDK, Pipelines, Lambdas, EC2, SQS, SES, S3, DynamoDB, RDS, CloudWatch, API Gateways, and Kinesis data streams & firehose)
Platforms: AWS Cloud, GCP

PROFESSIONAL EXPERIENCE

Amazon, Seattle, WA, United States (Contracted via Insight Global) · May 2023 - December 2023
Amazon.com, Inc. is an American multinational technology company focusing on e-commerce, cloud computing, online advertising, digital streaming, and artificial intelligence.

Software Development Engineer II: Gained valuable experience and contributed significantly to the development of cutting-edge hiring solutions that impacted millions of applicants and future employees.
- Tackled complex challenges in developing scalable & efficient design and architecture solutions for the company's hiring platform.
- Work spanned both the front-end and back-end, with a specialization in back-end development, where I played a crucial role in building the core infrastructure.
- Demonstrated proficiency in Java, JavaScript, and TypeScript, using these languages to develop robust and maintainable code for various components of the hiring platform.
- Showcased my cloud expertise by working extensively with Amazon Web Services (AWS), although I also had experience with Azure and Google Cloud Platform (GCP). This knowledge allowed me to harness the power of cloud resources to enhance our platform's scalability and reliability.
- Contributed to the development of the hiring platform by leveraging my expertise in Cloud based SQL and NoSQL databases, including RDS, DynamoDB. This knowledge was instrumental in managing large datasets efficiently.

- Work with AWS infrastructure components such as Pipelines, Lambdas, EC2, SQS, SES, S3, DynamoDB, RDS, CloudWatch, API Gateways, and Kinesis data streams & firehose. My familiarity with these services enabled me to design and implement robust and efficient backend systems.
- Actively participated in infrastructure-as-code (IaC) initiatives, using tools like the AWS CDK to automate the provisioning of resources.
- Delivered high-quality code, conducting thorough testing and code reviews to maintain codebase integrity.
- Played a crucial role in documenting requirements, designs, and technical documentation, keeping our development process well-documented and organized.
- Dedicated to creating a seamless, customer-focused hiring solution that addressed the unique needs and complexities of diverse workflows and country-specific regulations.

Technologies Used: *Java, JavaScript / TypeScript (Node.js, React.js), RESTful API, DynamoDB, MySQL, GitHub / GitLab, AWS Cloud (Pipelines, Lambdas, EC2, SQS, SES, S3, DynamoDB, RDS, CloudWatch, API Gateways, & Kinesis data streams & firehose)*

THINKGENIUX PRIVATE LIMITED, Punjab, Pakistan · 2018-2022
International software consultancy company specialized in ERP systems, ecommerce marketplaces, ride sharing applications etc.

Full Stack Developer: Led the design and development of innovative software solutions through active collaboration with development teams and project managers.
- Designed, developed & maintained scalable and robust web applications, ERP systems, ecommerce apps, RESTful APIs for a diverse set of use cases like ride sharing apps, systems integrations using Java/Spring Boot, Node.js/Express.js, PHP/Laravel.
- Designed & implemented secure authentication and authorization workflows using Spring Security & other relevant tools and technologies.
- Designed, developed, and deployed microservices-based applications on AWS Cloud.
- Designed and implemented various cloud architectures such as SaaS using AWS services like Lambda, ec2, API Gateway, S3, RDS, DynamoDB, Route53 etc. Ensuring that the applications are highly available, secure, and scalable.
- Used MySQL, PostgreSQL, MongoDB, Firebase, and DynamoDB databases to meet project-specific requirements. Used AWS RDS to manage and scale relational databases.
- Implemented CI/CD pipelines using GitHub Actions to automate testing, building, and deployment processes.
- Integrated 3rd-party APIs including Google Analytics, Google Maps, Google Login, Google Cloud APIs, YouTube, AWS Rekognition, Facebook Analytics, Facebook & Instagram Graph API, Stripe, PayPal, Twilio, SendGrid.
- Developed and implemented user-friendly, responsive, and high-performance web apps using Frontend frameworks such as Angular, React, Bootstrap, Material Design etc.
- Wrote unit and integration tests using various testing technologies such as Junit and Mockito etc.
- Performed software tests and optimized complex queries to maximize responsiveness, performance, and application efficiency.
- Engaged with clients to gather feedback on existing features, resolving issues, and implementing updates, resulted in better improvement in overall customer satisfaction.
- Prepared and maintained technical documentation.
- Enhanced products by working with data scientists and analysts.
- Led a team of developers, providing technical guidance, and ensuring that coding standards and best practices are followed.

Technologies Used: *Java (Spring / Spring Boot), JavaScript / TypeScript (Node.js / Express.js, Angular / React), PHP (Laravel, Custom MVC), RESTful API, MySQL, PostgreSQL, MongoDB, MS SQL, JPA, Hibernate, PhpMyAdmin, pgAdmin, Visual Studio Code, IntelliJ IDEA, cPanel/WHM, GitHub / GitLab, AWS / GCP / Azure, Linux (Ubuntu / CentOS), Windows, NGINX, Tomcat, Apache, SQLite, jQuery, HTML5, CSS, Sass, Bootstrap, Material Design.*

METOLOGIX PRIVATE LIMITED, Punjab, Pakistan · 2016-2018
Nationwide innovative solutions provider of Security and Information Technology, Electronics & Automation since 2007 with an objective of providing incomparable services.

Web Application Developer: Work with software team to develop websites, Designing UI/UX, Maintaining websites and systems, Software testing, Website optimization.

Technologies Used: JavaScript · MySQL · GitHub · Amazon Web Services (AWS) · PHP · Laravel · Git · Google Cloud Platform (GCP) · Web Development · Team Leadership · Web Designing · WordPress

ACADEMIC PROJECTS

Maharishi International University, Fairfield, IA (2022):
- **Alumni Management System:** Developed website for users to manage profiles, post / search for jobs, and view trending data. Technologies Used: Java (Spring Boot / Spring Security), JavaScript (React), PostgreSQL, IntelliJ IDEA, pgAdmin, GitHub, AWS Ec2, Ubuntu, Ant Design, ECharts.
- **MEAN Movies:** Designed website to view movies and post ratings. Implemented authentication and authorization. Technologies Used: JavaScript, TypeScript (Node.js / Express.js / Angular), MongoDB, Visual Studio Code, MongoDB Shell, GitHub, AWS Ec2, Ubuntu.

PERSONAL PROJECTS

Custom Surveys – Typeform / SaaS, 2022: Built system for users to create custom surveys with flexible options. Build using Java (Spring Boot / Spring Security), JavaScript, TypeScript (Angular), PostgreSQL, IntelliJ IDEA, pgAdmin, GitHub, AWS Ec2, Ubuntu, Bootstrap.

Technical Complaint Management System, 2021: Designed system for companies to manage customer complaints and provide customer support. Build using Java (Spring Boot / Spring Security), JavaScript, TypeScript (Angular), PostgreSQL, IntelliJ IDEA, pgAdmin, GitHub, AWS Ec2, Ubuntu, Bootstrap.

TGX ERP System – SaaS, 2020: Developed ERP system with features for CRM, Inventory, Production, Sales, Purchase, Accounts, Vendor, HR, eCommerce, Essentials, and Reports. Enabled subscription-based functionality for small and medium-sized enterprises with an economical Cloud-based ERP system. Build using PHP (Laravel), JavaScript, jQuery, Bootstrap, HTML, CSS, Sass, MySQL, Visual Studio Code, phpMyAdmin, GitHub, AWS Ec2, and CentOS.

Chat apt, 2019: A chat mobile application with an AI based chat assistant. Build using XMPP (Openfire, Smack), Java, Python, MySQL, phpMyAdmin, GitHub, AWS Ec2, Google Dialog Flow, and Ubuntu.

Photocalypse, 2019: Created a website for photographers to create events and upload photos. Built using PHP (Laravel), JavaScript, jQuery, Bootstrap, HTML, CSS, Sass, MySQL, Visual Studio Code, phpMyAdmin, GitHub, AWS Ec2, AWS Rekognition, and CentOS.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion April 2025)
Maharishi International University, Fairfield, Iowa

Key Courses: Software Architecture, Enterprise Architecture,
Web Application Architectures and Frameworks, Modern Web Applications,
Web Programming, Algorithms, Mobile Device Programming

Bachelor of Science in Computer Science
The University of Lahore, Punjab, Pakistan