Abhishek Gupta

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PROFILE SUMMARY

Analytical, solutions-oriented Full Stack software development professional with experience driving complex, large-scale technical projects covering software/database development, product implementation, and technical support. Special expertise in assessing risk and translating innovative ideas into technology solutions. Expert ability to develop and deploy new features, add functionality to products, stabilize performance, and elevate overall user experience. Well-versed in developing digital user information solutions by creating, applying and maintaining Component-based and interfaces for back end and client-end applications. Natural leader and collaborative team player able to oversee high-stakes, large-scale products, plan Agile sprints, diagnose/ troubleshoot issues, and partner with cross-functional teams.

SKILLS HIGHLIGHTS

Software Development Lifecycle (SDLC)	User Stories	Agile / Scrum Methodologies
Troubleshooting	Technical Documentation	Analytical Mindset and Attention to Detail
Source Code	Test Driven Development (TDD)	Code Review
Web Application Development	Complex Problem Solving	User Interface (UI)
Communication Skills	Team Collaboration	User Experience (UX)

Technical Skills
- **Programming:** Java, Python, JavaScript, TypeScript, C++
- **Databases:** Oracle, NoSQL, MySQL, SQLite, SQL, Redis, GraphQL, PostgreSQL
- **Web Development:** Full Stack, Frontend, Backend, NPM, Angular, HTML, CSS, Bootstrap, React.js, React Hooks, Architecture Design, Redux, Django, ES6, JSON, AWS, EC2, Context API, Containerization, CI/CD, MVC, Amazon RDS, Cypress, Mocha, Jasmine, Jest
- **Tools and Practices:** Git, GitHub, RESTful API, Linux, Unix, Node.js, Express.js, Responsive Design, SOLID, DRY, CLI, Refactoring, Version control (VC), OAuth2, State Management, Bash, Visual Studio Code, Postman, Docker, Multi-Threaded

PROFESSIONAL WORK EXPERIENCE

Full Stack Developer – Tata Consultancy Services, Gurgaon, NCR   **Aug 2020 – Aug 2022**
- Implemented Redis as a caching layer, resulting in a 40% decrease in data retrieval time and a 30% enhancement in server response time.
- Headed a team of 3 professionals, achieving 2 project milestones ahead of schedule.
- Developed a screenshot functionality to streamline defect reporting & task requests to Jira, leading to a 20% increase in productivity.
- Integrated a mail transaction feature, boosting user engagement on the tool by 25%.
- Constructed a robust Node.js server infrastructure, improving system stability by reducing server crashes by 80%.
- Established effective error handling mechanisms, resulting in a 99.9% increase in application uptime.
- Orchestrated deployments on client hosting environments, ensuring 99.9% uptime.
- Managed the application's database tables and queries, enhancing data retrieval efficiency by 30%.
- Maintained daily communication with stakeholders.
- Developed a responsive layout to optimize web application performance across all devices.
- Transformed a legacy application into a single-page application, achieving a 30% reduction in load time.

PROJECTS

Expense App | Montreal, QC   **Jan 2024 – Present**
https://expense-tracker-server-ers4.onrender.com/
- Developed a project utilizing the PERN stack (PostgreSQL, Express.js, React.js, Node.js).
- Employed PostgreSQL for managing user expenses, ensuring efficient data storage and retrieval.
- Utilized React.js to craft a user-friendly interface featuring pie chart visualization for improved data representation.
- Enabled users to track and view monthly expenses, enhancing overall user experience.

Todo App | Montreal, QC   **Nov 2023 – Jan 2024**
https://todo-server-hqr6.onrender.com/
- Built a comprehensive To-Do application utilizing the PERN stack (PostgreSQL, Express.js, React.js, Node.js).
- Integrated a PostgreSQL database for streamlined data storage and retrieval.
- Employed Express.js and Node.js to establish a resilient backend infrastructure.

- Empowered users to perform Create, Read, Update, and Delete (CRUD) operations on tasks, improving overall user engagement.

Top 250 Movies | Concordia University | Montreal, QC   **Sep 2022 – Dec 2022**
https://top-250-movies.onrender.com/
- Created a full-stack application that seamlessly combined Node.js and Angular to deliver robust functionality and a responsive user interface.
- Leveraged IMDB APIs to enrich user engagement with data on the top 250 movies.
- Implemented sophisticated design patterns to ensure code maintainability and scalability.

EDUCATION

- **Master of Applied Computer Science –** Concordia University, Montreal, QC   **Sep 2022 – Dec 2024**
- **BTech. in Software Engineering (Percentage: 83) –** SRMIST, Chennai, TN   **July 2016 – June 2020**

COURSE WORK

- **Graduate:** Programming & Problem Solving, Computer Networks, Algorithm Design Technique, Artificial Intelligence, Software Design Methodology, Machine Learning, Distributed System Design, SoftwareComprehension & Maintainenace, and Advance Programming Practices
- **Undergraduate:** C++ Programming, Operating Systems, Java programming, Data Structures, Python Programming, Alogirthm Desgin & Analysis, and Computer Engineering