SHREYAM **DUTTAGUPTA**

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Experienced **Full Stack Developer** with a passion for crafting robust, scalable solutions. Proficient in API Development, adept at creating and maintaining highly scalable, available, and critical services. Skilled in developing intuitive UI components and web interfaces that enhance user experience. Experienced in all stages of software development, from brainstorming and architecting to rapid prototyping. Actively seeking a full-stack developer role, **available immediately** and **open to relocation** opportunities to contribute expertise in building innovative and efficient software solutions. Learn more about my skills and qualifications at: https://shreyamdg.github.io

WORK EXPERIENCE

Senior Developer at **SAP Concur**   *Mar 2022 – Present*
Skills: Java, SpringBoot, Typescript, Nest.js, React, Redux, GraphQL, Storybook, MySQL, AWS, Kubernetes, Docker, Kibana

- Optimized Payments Microservice using Java, SpringBoot, TypeScript, and Nest.js, improving processing speed by 30% and reducing errors by 20%. Integrated advanced monitoring with Kibana, PagerDuty, and New Relic.
- Spearheaded frontend development for Payment Admin UI with React, Redux, and TypeScript, achieving 25% increase in user engagement metrics. Enhanced performance via GraphQL schema optimization and resolvers.
- Engineered reusable web components for payment interfaces, standardizing React ecosystem. Managed AWS CI/CD pipelines with GitHub Actions, Kubernetes, and Docker, reducing deployment time by 40%.
- Designed PCI-compliant CVV capture process for secure Payment Selection UI, ensuring compliance and enhancing user interaction security. Collaborated with architects and UX teams for seamless integration.
- Utilized GPT-3.5 Turbo and function calling in proof of concept, enhancing system accuracy and governance for payment team. Identified conflicting administrative rules, leading to 20% improvement in accuracy.

Solution Specialist at **Deloitte LLP**   *Jan 2019 – Mar 2022*
Skills: Java, Spring MVC, Hibernate, Oracle SQL, JavaScript, Vue.js, Bootstrap, Python

- Led full-stack development and digital transformation by modernizing large-scale applications, replacing legacy systems with open-source libraries. Created lightweight and responsive applications, significantly enhancing performance and user experience, resulting in a 50% improvement in performance and a 30% increase in client satisfaction.
- Developed REST APIs using Spring MVC & crafted custom Vue.js components with Bootstrap Vue to optimize user engagement metrics, while enhancing application security through both fine-grained & coarse-grained access.
- Streamlined analytical reporting with SAP Crystal Reports, enabling pixel-perfect reporting and seamless integration with web applications for enhanced business intelligence and decision support.
- Led the Biometric AI initiative, developing proof of concepts and prototypes, and collaborated with leadership and RFP teams to define project requirements, budget, and objectives.
- Employed VADER, a lexicon and rule-based sentiment analysis tool tailored for discerning sentiments expressed within social media contexts, enhancing the accuracy and relevance of sentiment analysis results leveraging Python, NLTK, Flask, and Vue JS

Associate Engineer at **EASi LLC, now Actalent**   *Dec 2017 – Jan 2019*
Skills: Java, Eclipse Modelling Framework, Python, Autosar Builder, MySQL, GIT

- Designed and developed efficient algorithms for internal software development tools using agile best practices for engines and transmissions team at Caterpillar in Innovation and Technology Development Division using Java, Python, Eclipse Modelling Framework, Autosar Builder.

Software Engineering Analyst at **Accenture**   *Sept 2014 – Jul 2016*
Skills: SAP BW, BI, Finance, HR, Reporting

- Application support for banking client using SAP Business Warehouse, BI, Finance and HR. Created and maintained BW Process chains and drill through for RCA.

EDUCATION

University of Cincinnati   *Aug 2016 – Dec 2017*
Masters in Computer Engineering

PESIT, Bangalore   *Sept 2010 – Aug 2014*
Bachelors in Computer Engineering

PROJECTS

Ticketmaster - AI Insights: Developed an AI-driven full-stack application leveraging Ticketmaster's Discovery API, utilizing JavaScript and Vue.js on the frontend and Python with Jsonformer and Databricks' dolly-v2-3b model on the backend, to generate personalized event and concert recommendations based on user inputs and preferences.

myBookshelf (*shreyamdg.github.io/myBookshelf/*): Vue.js app with the Transition API, facilitating effortless book exploration via the Google Books API. Users easily search, purchase, or download free books, ensuring a streamlined and enriching reading experience.