DANIEL JIN

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SENIOR SOFTWARE ENGINEER

Innovative and results-driven Senior Software Engineer with over 12 years of experience in designing, developing, and deploying high-performance applications using Ruby on Rails and React.js. I am also well-versed in Django and Laravel, with extensive experience in AI development. I have a proven track record of leading complex projects from inception to completion, mentoring development teams, and leveraging modern technologies to drive business success. I am eager to apply my expertise in full-stack development, strategic problem-solving, and Agile methodologies to contribute to your business's success.

STRENGTHS AND EXPERTISE

Django, Ruby, Rails, React.js, SQL Server, Power BI, Agile Methodologies, Next.js, AWS, Docker, Kubernetes, JWT, SSO, TFS, Git, Python, Java, Laravel, AI

PROFESSIONAL EXPERIENCE

Flywire   **January 2021 - April 2024**
Senior Software Engineer - L2

As a Senior Software Engineer at Flywire, I specialize in developing scalable and robust cloud-based applications that enhance user experience and drive business growth. My role involves designing and implementing software solutions, optimizing system performance, and mentoring junior engineers.

Accomplishments:

- Lead the design, development, and deployment of scalable Ruby on Rails and Next.js applications with 3-20 person teams, ensuring high performance and robust architecture.
- Lead the development of a scalable e-commerce platform using Django and React.js, resulting in a 30% increase in user engagement and a 20% boost in sales
- Architect and implemented microservices using Spring, improving application performance and reducing downtime by 25%
- Architect and implement complex React.js front-end solutions, integrating seamlessly with Ruby on Rails back-end services.
- Mentor and guide junior developers, fostering an environment of continuous learning and improvement.
- Lead Agile development processes, including sprint planning, daily standups, and retrospectives, to deliver high-quality software on time.
- Collaborate with cross-functional teams to define, design, and ship new features, ensuring alignment with business objectives.
- Leverage cloud services such as AWS (mostly) and Google Cloud(some) for application hosting, storage, and scalability.
- Utilize modern DevOps practices to automate deployment processes, leveraging tools such as Docker, Kubernetes, and CI/CD pipelines.
- Implement and maintain secure authentication and authorization mechanisms using JWT, OAuth, Federated SSO, and other security protocols.
- Develop and integrate RESTful APIs and microservices, enhancing application modularity and scalability.
- Lead the migration of legacy systems to modern technologies, ensuring minimal downtime and disruption.

- Collaborate with product managers and stakeholders to gather and refine requirements, translating them into technical specifications.
- Implement robust unit tests and integration tests with xUnit and Jest, ensuring software reliability and reducing bugs.
- Stay updated with the latest industry trends and technologies, continuously enhancing technical expertise and applying new knowledge to projects.
- Senior Executive Leadership member, spearheading strategic initiatives and process improvements.
- Developed and standardized comprehensive Standard Operating Procedures (SOPs) for existing and new business processes.
- Collaborated with cross-functional teams to integrate AI solutions into existing products and workflows.
- Utilized TensorFlow and PyTorch to build and optimize deep learning models for various applications.
- Automated data preprocessing and feature engineering processes, reducing time spent on data preparation by 40%.

Technologies Used:
- Django, Ruby on Rails, React.js, Next.js, TypeScript, Redux, Node.js, xUnit, Moq, Jest, Serilog, Docker, Kubernetes, AWS, Azure, SQL Server, PostgreSQL, MongoDB, JWT, SSO, TailwindCSS, Bootstrap, Power BI, SSIS, Excel, TFS, Git, Agile Methodologies, Python, Java, Deep Learning, Data Analysis & Visualization

Sendbird   **September 2020 - October 2021**
Software Engineer (Contractor for Flywire)

I was hired directly to Flywire after my contract to continue my development on the project(s) I was handed as a contractor. – See job details listed above.

South Coast Computers(Anaheim, CA)   **April 2018 - May 2020**
Senior Software Developer(Remote)

I design and implement innovative software solutions for our cloud-based platform. Collaborating with cross-functional teams in an agile environment, I focus on delivering high-quality, scalable applications that enhance user experience.

Accomplishments:
- Led and mentored a team of 2 direct reports, ensuring successful project completion through strategic guidance and leadership.
- Managed and supervised all development projects, including coordination with contracted software developers to meet company objectives.
- Identified and corrected critical errors in complex ETL data pipelines and processes, resolving a $1.2 million financial reporting discrepancy recognized by the client's CFO.
- Utilized Scrum/Agile methodologies to address 72 software bugs in Rails and Django applications, unblocking billing processes worth over $300,000 per month.
- Spearheaded the completion of a stalled A2000 ERP migration and EDI implementation, delivering the project within a challenging 5-month timeframe.
- Developed, customized, and optimized 21 SSRS, Power BI, and Crystal reports to provide comprehensive business intelligence insights.
- Designed, fixed, and enhanced over 50 SSIS packages and PowerShell scripts, ensuring efficient data manipulation across seven MS SQL Server instances and five servers.
- Systematically resolved intricate bugs in complex SQL stored procedures and user-defined functions, ensuring data accuracy and reliability.
- Implemented computer vision algorithms for image recognition, improving product categorization accuracy by 25%.
- Conducted data analysis and visualization to support decision-making processes.

Technologies Used:

- Django, Ruby on Rails, React.js, Redux, Node.js, SQL Server, PostgreSQL, MongoDB, JWT, SSO, Bootstrap, Power BI, SSIS, Excel, TFS, Git, Agile Methodologies, Python, Java, Deep Learning, Data Analysis & Visualization

ByteDance   **October 2017 - March 2018**
Software Developer

Accomplishments:

- Advised the CEO on strategic planning for client acquisition and process optimization, contributing to long-term business growth and operational efficiency.
- Developed and deployed 5 custom websites using Rails and Django, delivering tailored solutions that metdiverse client needs and enhanced their online presence.

Technologies Used:

- Django, Ruby on Rails, SQL Server, PostgreSQL, TFS, Git, Agile Methodologies, Python, Java

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EDUCATION

Bachelor of Science in CS, **Nanyang Technological University***, Singapore*

September 2013 - April 2017

Nanyang Scholarship

CERTIFICATIONS

- Full Stack Web Development Certification (freeCodeCamp 2019)
- Professional Certificate in Computer Science for Web Programming (HarvardX 2020)