

AVEE PANSARA
Senior/ Staff Software Engineer
Seattle, WA

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PROFESSIONAL SUMMARY

Senior Software Engineer with 8+ years of experience designing, developing, testing, and deploying scalable, cloud-native applications. Strong background in Java, JavaScript/TypeScript, React, Node.js, Spring Boot, AWS, and microservices architecture. Proven ability to modernize legacy systems, improve performance and reliability, and deliver secure, high-availability solutions in cross-functional, agile environments. Experienced leading teams, owning end-to-end features, and building production systems used at scale.

CORE COMPETENCIES

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|------------------------------------|--------------------------------|------------------------------|
| ● Full-Stack Development Lifecycle | ● System Design & Optimization | ● Microservices Architecture |
| ● REST API Design & Integration | ● Quality Assurance & Testing | ● Distributed Systems |
| ● Cloud Native Architecture (AWS) | ● Mobile Development | ● CI/CD Automation & DevOps |

EXPERIENCE

SmartAC Inc. – Senior Software Engineer | Remote
Sep 2020 – Present

- Delivered predictive HVAC anomaly detection by integrating an ML model into an IoT monitoring pipeline, enabling proactive maintenance alerts and materially reducing system downtime.
- Owned and scaled high-traffic React & Nextjs applications, optimizing rendering, API usage, and accessibility to improve Core Web Vitals and support daily use by both consumers and internal teams.
- Standardized and accelerated CI/CD using GitHub Actions and Docker, reducing deployment time by 30% and enabling frequent, low-risk production releases.
- Built and maintained React Native applications for iOS and Android, delivering shared feature parity with web while optimizing performance, navigation, and offline behavior.
- Integrated native device capabilities (push notifications, deep linking, camera/media access) in React Native, improving mobile engagement and operational workflows.
- Designed and rolled out a reusable design system with Shadcn and modern CSS tooling, improving UI consistency and accelerating front-end delivery across web and mobile surfaces.
- Led and mentored a team of 7+ engineers, setting technical direction, prioritizing initiatives, and growing junior developers through code reviews and hands-on guidance.
- Integrated and operationalized third-party platforms (HubSpot, SAILE image processing, ServiceTitan) to expand product capabilities and automate mission-critical business workflows.
- Improved backend sync performance by 40% through connection pooling and reduced connection overhead, increasing reliability under load.

Tech Stack: *Java, Spring Boot, SQL, AWS Cloud, Docker, Kubernetes, React, React Native, Nextjs, Vue, JavaScript, TypeScript, Tailwind, Git, Jira, Notion, Figma*

Katerra Inc. – Software Engineer, Front End | Remote
Sep 2019 – Aug 2020

- Built and deployed a proprietary construction workflow platform, replacing manual and fragmented processes and driving a measurable reduction in overall construction costs.
- Integrated video conferencing and construction management capabilities directly into the product, eliminating reliance on third-party tools (e.g., Google Meet, Zoom, Autodesk) and reducing recurring licensing spend.
- Designed and shipped backend microservices using Node.js and MongoDB to support core application features, scalability, and future product expansion.

- Partnered cross-functionally with UX, product, and technical writing to deliver a cohesive, intuitive application aligned with real-world construction workflows.

Tech Stack: Node.js, Express, NoSQL, Angular, JavaScript, TypeScript, Jira, Docker, Git, Figma, InVision

DataLogic Software – Software Engineer | Harlingen, TX

May 2019 – Aug 2019

- Re-architected a legacy front-end into a modern Angular Single Page Application, using TypeScript and NgRx for state management to improve performance, maintainability, and long-term scalability.
- Designed and implemented core front-end components and features, establishing a more robust application architecture and accelerating future feature development.

Tech Stack: ASP.Net, Angular, CSS, SQL, JavaScript, KendoUI

Prime Healthcare – Software Engineer | Harlingen, TX

Sept 2017 – April 2019

- Implemented encryption and role-based access control to secure sensitive patient data and meet healthcare security and privacy compliance standards.
- Led production deployments across three hospital systems, improving operational efficiency and reliability.
- Coordinated with QA teams to perform regression testing and ensure stable releases across all environments.

Tech Stack: Java, JavaScript, SQL, Encryption, Role-Based Access Control (RBAC), CSS, AWS, QA Regression Testing

EDUCATION AND CERTIFICATIONS

TEXAS A&M UNIVERSITY

Master of Science (MS), Computer Science – **Jan 2016 – May 2017**

CHARUSAT UNIVERSITY

Bachelor of Technology (B.Tech), Computer Engineer – **Aug 2011 – May 2015**

SOFTWARE SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, Go

Frontend: React, Next.js, Angular, Vue, React Native, Redux, MobX, Tailwind CSS

Backend / APIs: Java (Spring Boot), Node.js (Express), REST APIs, GraphQL, gRPC, Hibernate, Maven

Databases: PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS (EC2, Lambda, API Gateway), Docker, Kubernetes, GitHub Actions, GitLab CI

Tools & Platforms / CI: Git, GitHub, GitLab, Jira, Postman, Vercel, Figma, Notion, Storybook, InVision, Miro, Linear

Development Practices: Agile, Scrum, SDLC, Code Reviews, Automated Testing