Prathibha Bollu

Tampere, Finland

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Personal Profile

I am a Software Developer with 3+ years of experience building **scalable**, **interactive web applications** using **JavaScript**, **React**, **PHP**, and **MySQL**. Skilled in both **frontend** and **backend development**, with hands-on exposure to **LLMs/AI integrations**, **API development**, and **cloud technologies (AWS)**. Strong background in agile practices, software architecture, and maintainable design. Passionate about solving real-world problems with clean, efficient code and delivering products that scale.

Work Experience

Let's Solve Analytics
UX and Front-End Developer

Finland
January 2025 - Present - Freelancer

- Designed intuitive workflows and prototypes using **Figma**, focusing on user-friendly interfaces.
- Developed front-end web interfaces with **React and Vite**, along with HTML and CSS, to implement designs.
- Contributed to the integration of **LLM/AI models to assist doctors** in decision-making, collaborating with the team on training, fine-tuning, and front-end implementation.
- Collaborated in Agile sprints with cross-functional teams, using **Jira, Miro** for iteration and feedback.

Vitamondo
Full-Stack Developer

Tampere,Finland
December 2024 - Present - Part-time

- Managed full-stack web solutions for a **large-scale** site, utilizing **PHP**, **JavaScript**, and **MySQL** for backend development, with frontend customization and performance optimization.
- Integrated and troubleshooted **payment gateways (PayPal, Stripe)** via **RESTful APIs**, webhooks, and event triggers for secure and seamless transactions.
- Enhanced website functionality with third-party API integrations (social media reviews: Facebook, Google, Instagram).

Tampere University
Teaching Assistant

Tampere,Finland
January 2024 - July 2024

- Guided students in **Agile**, Lean, and Kanban methodologies, deepening their skills in software lifecycle management and stakeholder engagement.
- Led sessions on **product management**, value estimation, and architecture design, integrating JIRA for backlog tracking and promoting best practices in software maintenance.

Adalia oy
Software Engineer

Tampere,Finland
June 2023 - Sep 2023

- Built responsive websites using **Craft CMS, Twig, React, and JavaScript**, tailored to client and UX specifications.
- Enhanced site interactivity with custom JavaScript, **API integrations**, and plugins like Facebook login.
- Streamlined **CI/CD deployments** by managing code revisions in **Git** and integrating feedback from senior developers.

Education

Tampere University
Master's in Software, Web and Cloud (Current Grade: 3.8/5.0)

Tampere, Finland
Aug 2022 - Dec 2024

- **Master thesis with University)**
  - Analyzed three large-scale open-source projects to assess the impact of **component size, complexity, and nesting depth** on defect rates.
  - Results showed that modularity **reduces bug density** in large codebases, **while high cyclomatic complexity and deep nesting increase defects**.
  - Highlighted that shallow structures, modular design, and continuous refactoring are critical for long-term maintainability in React projects.

BSA Crescent Institute of Science and Technology
Bachelor of Technology in Computer Science and Engineering(Grade: 9.43/10.0)

Chennai, India
Aug 2016 - Sep 2020

- **Final Project:**
  - Analyzed personality traits from Twitter data using Python and machine learning, evaluating classification models such as K-Neighbors Classifier, Support Vector Machine, and LASSO for predictions.

Skills

Design	Figma (wireframing, prototyping), UX research, accessibility (WCAG), interaction design.
Programming Languages and Library	Php, JavaScript, React,
Scripting Languages	HTML, CSS
Content Management Systems	Craft CMS, Wordpress
Database Technologies	SQL, MySQL
Cloud Technologies	AWS
Version Control Systems	Git, GitLab
Tools	Tools / Build Systems: Vite, Webpack

Achievements

2022	**Tampere Scholarship**, Awarded based on academic excellence, to pursue a degree from Tampere University.	*Finland*
2019	**Bertelsmann Data Science Challenge**, Nanodegree certification, ranked top 1,500 out of 15,000.	*India*
2019	**Techniche Event**, 1st prize in mathematics and game development competition.	*India*

Languages

English	Professional proficiency - TOEFL - (99/120)
Finnish	Beginner - A1 Level