

Personal details

Jeremy Farnault

farnaultjeremy@gmail.com

<https://www.linkedin.com/in/jeremyfarnault/>

+81 80 9299 6302

Tokyo, Japan

French - Full working rights (EU Citizen)

Education and Certifications

Master of Science in Computer Science

SUPINFO International University

2014 - 2016

Toulouse, France

Core Modules and Subjects:

- Advanced Algorithmics and Complexity
- IT Governance and Strategic Management (covering frameworks like ITIL and COBIT)
- Business Intelligence and Big Data Analytics (including Data Warehousing and Data Mining)
- Advanced Database Systems (SQL, NoSQL, Oracle, MongoDB)

- Network Engineering and Advanced Security Protocols
- Software Engineering and Advanced Design Patterns
- IT Project Management Methodologies (Agile, Scrum, Waterfall)
- Mobile Application Development for Android and iOS

Master's Thesis Summary:

Title: "Influence of skills management software on recruitment and the management of 'inter-contract' periods in a digital services company (ESN)".

The research investigated the operational and strategic impact of implementing dedicated skills management software within IT consulting firms. The study analysed how these tools transform the recruitment process by enabling more accurate candidate-to-position matching through granular skills mapping. Furthermore, the thesis explored the software's role in managing consultants during "inter-contract" periods (downtime between client projects). The key findings highlighted a significant improvement in resource allocation, a reduction in bench time, and an enhanced ability to proactively identify skill gaps and propose relevant training, thereby increasing overall business efficiency and employee development.

Bachelor of Science - Specialist in Computer Science

SUPINFO International University

2013 - 2014

Toulouse, France

Core Modules and Subjects:

- Fundamentals of Computer Programming (C, C++)
- Object-Oriented Programming with Java

- Web Development Fundamentals (HTML5, CSS3, JavaScript, PHP)
- Introduction to Algorithms and Data Structures
- Operating Systems Concepts and Administration (Windows Server, Linux)
- Fundamentals of Computer Networking (TCP/IP model, routing, switching)
- Systems Analysis and Design using UML
- Introduction to Information Systems Security

Higher Technician's Certificate in IT Services for Organizations (BTS SIO)

ADRAR Formation

2011 - 2013

Toulouse, France

Core Modules and Subjects:

- Infrastructure, Systems and Network Solutions (SISR)
- Analysis and Development of Software Applications
- Administration of Network Services and Infrastructure
- Cybersecurity of Information Technology Services
- Support and Provisioning of IT Services
- Applied Mathematics for Computer Science
- General and Legal Economics for Business

University Diploma of Technology in Computer Science (DUT Informatique)

Université Paul Sabatier Toulouse III

2010 - 2013

Toulouse, France

Core Modules and Subjects:

- Algorithm Design and Programming
- Computer and Systems Architecture
- Introduction to Web Technologies (HTML, CSS, PHP)
- Database Design and SQL Implementation
- Operating Systems (UNIX/Linux command line)
- Network Fundamentals
- Human-Computer Interaction (HCI) and UI/UX Principles

Diploma of Access to University Studies, Scientific Option (DAEU B)

IPST-CNAM

2008 - 2010

Toulouse, France

Details: This diploma is a national qualification equivalent to the French Baccalauréat, designed to grant access to higher education in science and technology.

Core Subjects:

- Mathematics (Algebra, Analysis, Geometry)

- Physics (Mechanics, Electricity, Thermodynamics)
- Chemistry (Organic and Inorganic)
- French Language and Scientific Communication

Vocational Certificate in Boilermaking, Fabrication and Assembly (Agent de fabrication et montage en chaudronnerie)

AFPA (Association for the Professional Training of Adults)

2008 - 2010

Toulouse, France

Core Skills and Training Modules:

- Interpretation of Technical Drawings and Blueprints
- Metal Forming and Shaping Techniques (Bending, Rolling)
- Manual and Machine-based Metal Cutting Processes
- Assembly and Pointing of Metal Parts before Welding
- Welding Techniques (MIG, MAG, TIG)
- Quality Control and Inspection of Fabricated Parts

Work experience

Rakuten Travel

A leading Japanese online travel agency and a core business of the Rakuten Group, offering extensive domestic and international travel booking services

March 2024 - Present

Tokyo, Japan

Assistant Engineering Manager

August 2024 - Present

Promoted to lead a front-end engineering team of up to 8 members, focusing on people leadership, strategic project ownership, delivery management, and enhancing technical quality and compliance.

Responsibilities: Accountable for the career development and performance of team members, ownership of the project roadmap and stakeholder communication, and ensuring the technical quality of all team deliverables.

Tasks:

- Guide the career development of team members through 1:1 meetings, performance reviews, and growth plans
- Create the front-end team's project roadmap, defining clear timelines, milestones, and KPIs.
- Negotiate release scopes and communicate project progress.
- Plan and delegate the team's workload to ensure alignment with business priorities.

- Establish a more rigorous and constructive code review process to elevate overall code quality.
- Push the adoption of detailed developer specifications to improve clarity and significantly reduce rework.
- Develop and implement a new training program and certification for the service's "incident reduction committee."

Achievements:

- Successful PCI DSS certification for a major customer-facing application.
- Initiated significant process improvements in code review and technical specification authoring.
- Created a new training and certification program that directly contributed to improving system stability and team knowledge.

Senior Software Engineer

March 2024 - August 2024 Job

Enhanced and modernised a large-scale, high-traffic travel application for one of Japan's largest e-commerce companies, focusing on performance, stability, and data-driven feature development.

Responsibilities: Responsible for identifying and fixing performance bottlenecks, leading technical modernisation initiatives, analysing user data for product insights, and implementing a new design system.

Tasks:

- Led technical investigations into user conversion rates.
- Proposed data-backed improvements to enhance the user booking experience.

- Conducted high-load performance testing to identify and mitigate system bottlenecks.
- Lead the successful upgrade of major core libraries, including React and TypeScript.
- Investigated, identified, and resolved a costly, long-standing memory leak in the application.
- Collaborated with the UI/UX design team to implement a new design system.
- Mentored junior developers.

Technical Skills Used:

TypeScript, React, Redux, NewRelic, Kibana, Grafana, Jenkins, RAT (in-house analytics), Git, CSS, Drupal.

Achievements:

- Resolved a critical memory leak, which significantly improved application stability and reduced operational overhead.
- Successfully led the modernisation of core libraries (React, TypeScript).
- Provided key product insights based on data analysis that informed the future development roadmap.

Abletech

A New Zealand-based custom software development and IT consultancy specialising in building robust web applications and providing expert technical advice.

June 2021 - March 2024

Wellington, New Zealand

Front-end Practice Lead

April 2023 - March 2024

Promoted to a leadership role to mentor the front-end development team, provide technical strategy for client proposals, and act as the key liaison between developers and senior management.

Responsibilities: Accountable for the career growth and mentorship of front-end developers, providing expert technical estimation for RFPs, and improving internal communication channels.

Tasks:

- Championed the career growth of front-end developers through dedicated mentoring.
- Provided technical opinions and effort estimates for new client proposals and RFPs.
- Aligned the front-end team's technical direction with client requirements.
- Took on greater ownership of product support, including participating in on-call rosters.
- Facilitated knowledge-sharing sessions to improve skills and consistency across the front-end team.
- Assisted in defining best practices and coding standards for all front-end development projects.

- Ensured the well-being and effectiveness of team members, fostering a supportive and high-performing culture.

Achievements:

- Successfully established a formal front-end practice, improving team cohesion and technical direction.
- Played a key role in winning new business by providing accurate technical strategies for proposals.

Senior Software Developer

June 2021 - April 2023 Job

Acted as a core contributor on a high-profile engagement with Te Whatu Ora (New Zealand's Ministry of Health), developing critical public-facing applications for the national COVID-19 response.

Responsibilities: Responsible for the rapid development of accessible health applications and leading the strategic adoption of the HL7 FHIR standard for all future government digital health questionnaires.

Tasks:

- Developed and deployed a series of accessible, user-friendly digital questionnaires.
- Engineered web applications under extremely tight deadlines to support the national pandemic response.
- Lead the partnership with Te Whatu Ora to adopt the HL7 FHIR standard for health data.
- Architected the new foundation for all future digital questionnaires based on the HL7 FHIR standard.
- Collaborated with government stakeholders to define technical requirements for critical health services.

- Ensured all applications met high standards of web accessibility (WCAG) for public use.
- Worked within a serverless architecture to build scalable and resilient health applications.

Technical Skills Used:

TypeScript, React, Tailwind, Serverless Framework, AWS, HL7 FHIR, WCAG, DatoCMS, Strapi, Netlify, Github Actions.

Achievements:

- Successfully delivered multiple critical, public-facing applications for New Zealand's COVID-19 response.
- Led a major technical initiative that resulted in Te Whatu Ora adopting the HL7 FHIR standard, fundamentally modernising their data management strategy.

Jarden

A leading investment and advisory group in Australasia, providing a range of financial services including share broking, investment banking, and wealth management.

July 2017 - June 2021

Wellington, New Zealand

Senior Software Developer

Architected and developed next-generation digital platforms for Direct Broking clients following a strategic acquisition, taking full ownership of critical on-boarding and trading applications.

Responsibilities: Greenfield development of a new mobile client on-boarding application, ownership and maintenance of flagship trading platforms, and modernising legacy applications.

Tasks:

- Architected and developed a new client on-boarding application from using React Native.
- Took ownership of the flagship web trading applications.
- Redesigned the main advisor application, migrating from AngularJS to React.
- Authored and published several open-source libraries for React-Native, Node.js and Clojure.
- Actively participated in Agile processes for a development team of 10 engineers.
- Collaborated with product owners and stakeholders to define features for trading and client-facing applications.

Technical Skills Used:

TypeScript, React, React Native, GraphQL, Tailwind, StoryBook, Auth0, CircleCI, Node.js, AngularJS, Github Actions, Azure, Contentful.

Achievements:

- Successfully built and launched the company's new client on-boarding mobile application from scratch.
- Took ownership of and improved the company's core trading applications post-acquisition.
- Became a key contributor to the company's open-source projects, authoring several libraries.

Gfi Informatique (now Inetum)

A global IT services and consulting company providing digital solutions, application development, and infrastructure management for major clients across various industries.

October 2014 - July 2017

Toulouse, France

Full-stack Developer (URSSAF PANAM Project)

November 2016 - July 2017

Developed a critical business intelligence tool to provide real-time production indicators for URSSAF (France's social security contributions collector).

Tasks:

- Implemented the initial client-side application architecture using Google Web Toolkit (GWT).
- Developed core features for customizable reporting dashboards for the management line.
- Authored a comprehensive suite of unit tests to ensure code quality and application reliability.
- Proactively identified and communicated new commercial opportunities to the sales management team.

Technical Skills Used:

Java Enterprise Edition, Google Web Toolkit (GWT), Spring Framework, SOAP, Jenkins, SVN.

Achievement: Played a key role in building the application architecture and directly contributed to the company's sales pipeline.

Full-stack Developer (GComp Project)

January 2015 - November 2016

Built and maintained features for GComp, an internal skills management application, and regularly served as the Scrum Master for the development team.

Tasks:

- Engineered a powerful skill-search engine with dynamic matrix generation for consultant profiling.
- Developed an automated CV generation feature, exporting to both HTML and Microsoft Word formats.
- Created interactive data visualisation dashboards for skills analysis using React.
- Acted as a rotating Scrum Master, facilitating all Agile ceremonies and managing the product backlog.

Technical Skills Used: React.js, Java EE, REST, Agile, Scrum.

Achievement:

Engineered multiple core features of the application and successfully fulfilled Scrum Master duties.

Python Developer / Systems Administrator (Airbus GISEH Project)

October 2014 - January 2015

Automated systems administration tasks for the GISEH High-Performance Computing (HPC) cluster managed for Airbus, working within a multinational team.

Tasks:

- Developed a suite of Python scripts to automate critical server administration tasks like license management.

- Designed and built a user-friendly desktop application using PyQt to bundle the automation scripts.
- Provided technical troubleshooting and support for the HPC clusters, resolving user-submitted tickets.
- Documented new processes to improve overall team efficiency and knowledge sharing.

Technical Skills Used:

Python, PyQt, Linux, Bash Scripting.

Achievement:

Streamlined team operations by developing a suite of automation scripts and a desktop application, reducing manual effort.

SHeroes

A self-initiated, volunteer social impact project to develop a mobile application in support of the UN Women's HeForShe movement for gender equality.

February 2016 - July 2016

Toulouse, France

Co-Founder

Co-initiated and led the conceptualisation of a mobile application designed to empower users and raise public awareness by anonymously reporting instances of everyday assault.

Tasks:

- Conceptual design of the purpose-driven application, defining its core features and user flow.

- Designed a system for collecting and filtering anonymous data to generate compelling public statistics.

SUPINFO International University

A private international institution of higher education in computer science.

November 2015 - June 2016

Toulouse, France

SUPINFO Certified Teacher

Selected for a merit-based program to teach Python and algorithmic concepts to fellow students, acting as a mentor and technical evaluator.

Tasks:

- Led classes and workshops on Python programming and fundamental algorithm design.
- Assessed student projects and coursework, providing detailed and constructive feedback.
- Served on the project jury for first and fourth-year student capstone projects.

Skills Used:

Teaching, Python, Mentoring, Public Speaking, Technical Evaluation.

CIRSO

An IT service provider responsible for managing critical network infrastructure for national organisations in France.

September 2011 - September 2014

Toulouse, France

Role: Networks Administrator

Maintained France's critical URSSAF national network, overseeing supervision, maintenance, and advanced support for over 130 interconnected sites, and assisted in a major network overhaul.

Tasks:

- Assisted in the management of a large-scale network restructuring project for 19 regional offices.
- Designed, configured, and deployed new Cisco switching infrastructure across multiple locations.
- Handled end-to-end Level 2 and Level 3 incident resolution for a critical national infrastructure.

Technical Skills Used:

Cisco IOS, Network Design, WAN, LAN, Linux, Python.

Achievement:

Played a support role in a major network overhaul project for the entire southwest region of a national network.

MECAHERS GROUP

An aerospace manufacturing company specialising in the production of complex aerostructures and primary aircraft components.

January 2005 - September 2011

Launaguet, France

Aeronautic Boilermaker

Responsible for the high-precision manufacturing of primary aircraft components from complex engineering blueprints in a mission-critical environment.

Tasks:

- Interpreted complex engineering blueprints and technical specifications to execute precise fabrication tasks.
- Ensured all work met exacting aerospace standards through rigorous measurement and quality control.
- Applied a methodical approach to deconstruct complex designs into manageable assembly processes.

Achievement:

Developed foundational skills in precision engineering, systematic problem-solving, and technical analysis which became instrumental in a later career in software engineering.

Languages

French – fluent

English – fluent

Japanese – basic

Hobbies

Painting

- Watercolour
- Acrylic on miniatures

Gaming

- Video games
- Board games
- Role playing games

Gym

Writing

Historical and natural sites exploration with family

References

Afif Khaidir

Rakuten Travel - Senior Software Engineer

khaidir.afif@rakuten.com

Rebecca Roberts

Abletech - Head of People & Practice

roberts.rebecca@gmail.com

Scott Abernethy

Jarden - Head Of Development

scott.a.abernethy@gmail.com